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62-23

Vaughan's Gardening Illustrated

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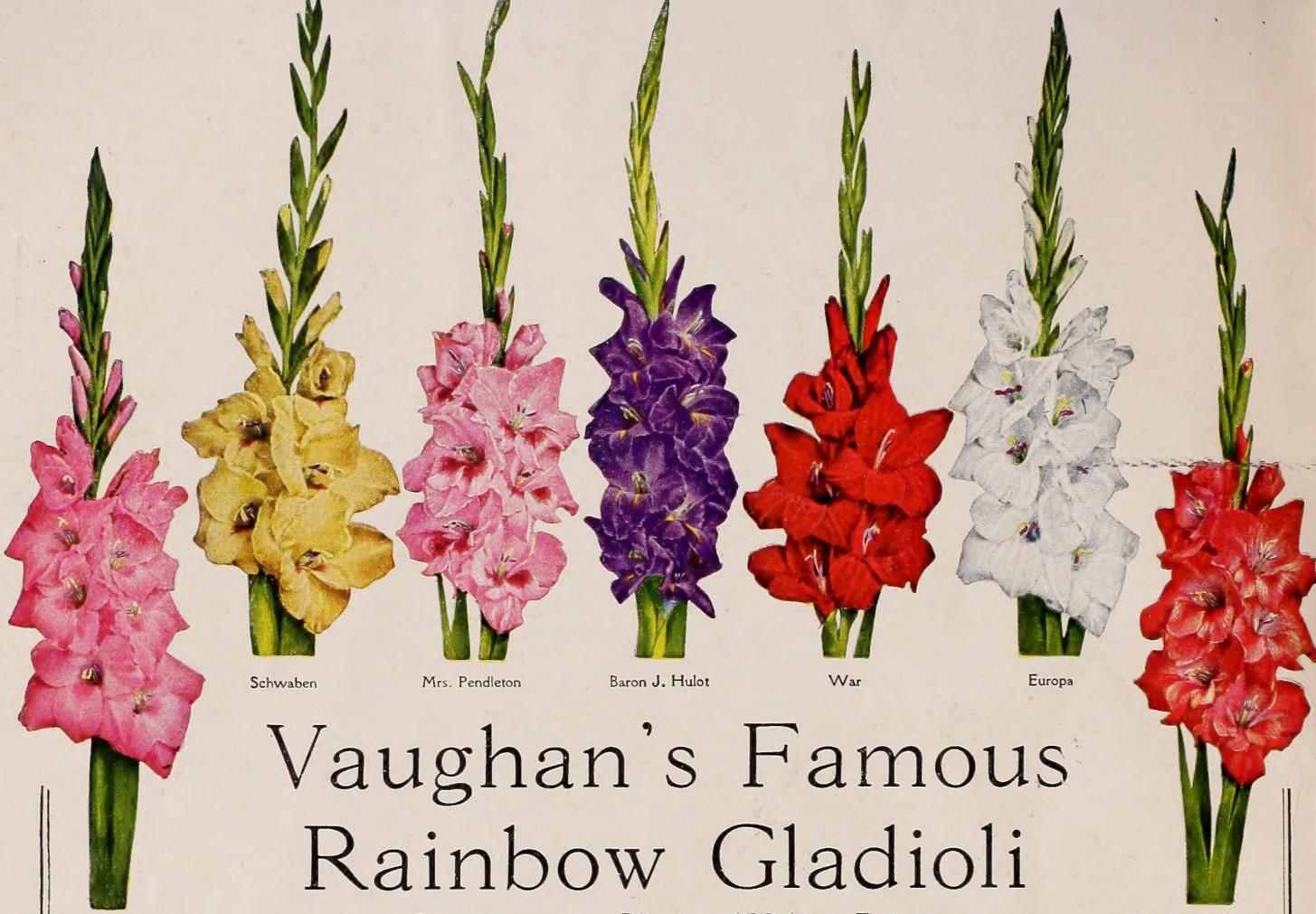
1928

D. N. Shoemaker

Sidney
Armer
S.P.C.A.

CHICAGO
10-12 W.RANDOPH ST.
NEW YORK
47-49 BARCLAY ST.

SALPIGLOSSIS
(Painted Tongue)
See page 1 for Prices



Panama

Vaughan's Famous Rainbow Gladioli

Grown on our own Illinois and Michigan Farms

Mrs. Francis King

A SEEDSMAN'S ideal of service is to supply his customers with seeds or bulbs of the highest quality, grown on his own land, where every stage of production and distribution is under his direct control. Such goods he may offer with supreme confidence that their use will result in satisfaction. This confidence is ours in the case of Gladioli. America leads in the development and production of this wonderful flower, and we are among the largest American Gladiolus growers. On our Michigan and Illinois farms, conditions peculiarly favorable to the development of gladiolus bulbs of the largest size and greatest vitality exist. Combined with favorable conditions, is a growing technique developed through years of experience. A Vaughan bulb means a flower for you. On pages 93 to 96 will be found the most complete collection of meritorious varieties listed in this country. If you grow only one flower this Summer, let it be the gladiolus.

Our Famous "Rainbow" Mixture

This name has been chosen by us for our highest quality blendings of the many named varieties which we grow including French novelties with other choice varieties of which we have only moderate quantities. This is the best mixture which our collection permits, and we believe unexcelled by any obtainable elsewhere. Each lot whether in doz., 50s or 100s of all Vaughan's Mixtures, is put up separately to insure correct proportions of kind and colors.

Price, doz., \$1.00, postpaid; by express, not prepaid, 50 for \$3.00; 100 for \$5.50; 250 for \$12.50; 500 for \$23.00.

SPECIAL OFFER No. 100B. Two each of the following six varieties sent postpaid for 50c: Mrs. Francis King, E. Kirtland, Chicago White, Schwaben, Le Marchal Foch, 101 Blue. A full range of fine colors.

SPECIAL OFFER No. 200B. Two each of the following six varieties sent postpaid for \$1.00: Peace, Chicago Salmon, Chicago Red, Alice Tiplady, Schwaben, Prince of Wales.

SPECIAL OFFER No. 300B. Two each of the following six varieties sent postpaid for \$1.25: Joe Coleman, 1910 Rose, Primulinus Maiden Blush, Mrs. L. S. Hubbard, Wilbrink, Anna Eberius.

SPECIAL OFFER No. 400B. Two each of the following six varieties sent postpaid for \$1.50: Clara Adams, Mystic, E. J. Shaylor, E. Kirtland, Herada, Crescent Queen.

HOMEWOOD MIXTURE. These bulbs are third-size, about one inch in diameter, all bloomers, selected from some of the choice kinds we grow in large quantities on our farms. They will often give as large a spike as a fully matured bulb, but as they are small do not bloom so early in the season as either first-size or medium bulbs. Price, prepaid, 50 bulbs, for \$1.00 by exp., not prepaid, 250 for \$4.00; 500 for \$7.00; 1,000 for \$13.00.

Vaughan's "Standard" Mixture

We have thrown away all the common and cheap leftovers which our trial grounds have proved to exist in old mixtures. We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD" MIXED, will be found satisfactory everywhere, for mixed beds, borders and masses, and offered at very moderate prices. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

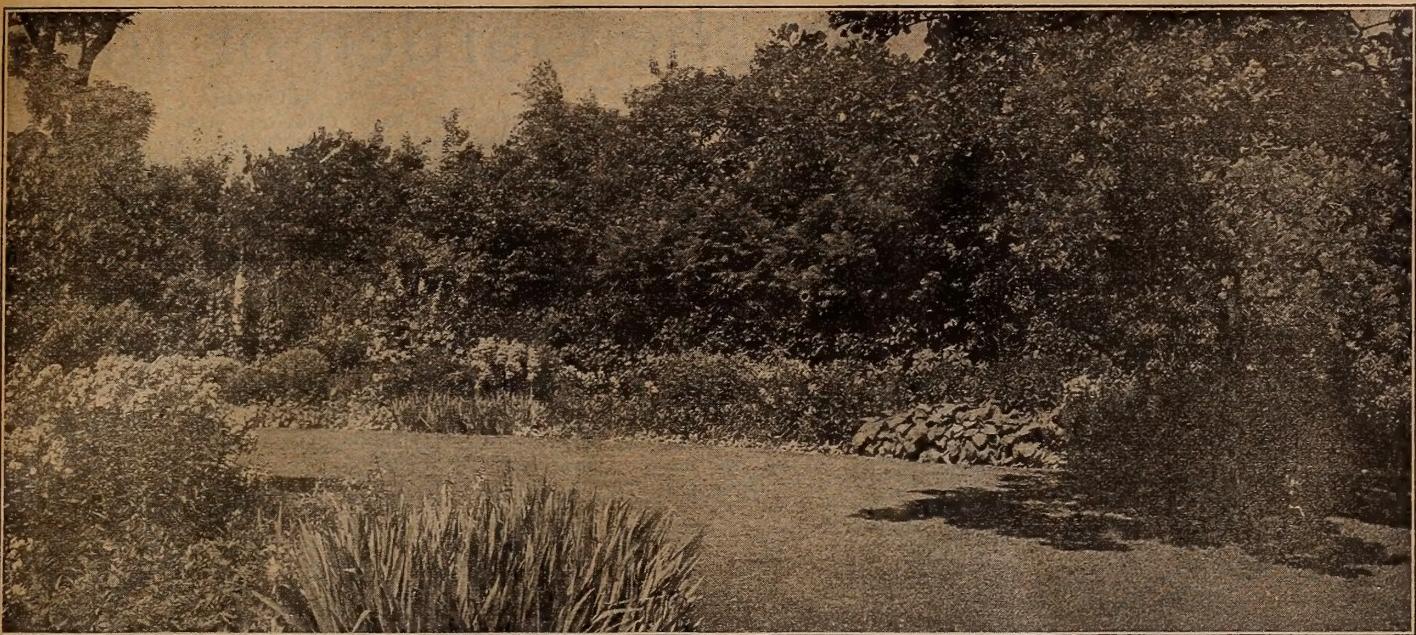
Price, doz., 45c, postpaid; by express, not prepaid, 50 for \$1.50; 100 for \$2.75; 250 for \$6.50; 500 for \$12.00; per 1,000, \$23.00.

DOMESTIC PARCEL POST RATES		First Pound or Fraction	Each Additional Pound or Fraction	Total Weight,	Amount for Postage	\$
On Seeds, Plants, Bulbs, Roots; Books, Tools, Etc., within the U. S. and Possessions.						
First Zone	Chicago or New York or 50 miles thereof	7c	1c			
Second Zone	within 50 to 150 miles of either	7c	1c			
Third Zone	within 150 to 300 miles	8c	2c			
Fourth Zone	within 300 to 600 miles	9c	4c			
Fifth Zone	within 600 to 1000 miles	10c	6c			
Sixth Zone	within 1000 to 1400 miles	11c	8c			
Seventh Zone	within 1400 to 1800 miles	13c	10c			
Eighth Zone	all over 1800 mil-s	14c	12c			
					Grand Total,	

Filled by..... **Checked by**..... **Packed by**.....

Shipped by..... **Style of Package**.....

Date..... Book..... Weight.....



New Flowers for the Garden of 1928

Each year sees progress in the development of flowers. New colors, improved forms, are constantly being introduced, as the result of scientific plant breeding. We are in touch with the breeders of flowers throughout the world, and have gathered on this page and the four following, the most recent products of their skill. They will add interest as well as beauty to your garden.

ABUTILON □ +

- 122 **Hybridum Maximum, Giant Flowered Mixed.** It is a splendid house plant and may be grown outside as well during the summer. This variety has huge bell-shaped blossoms in many fine shades and will bloom in 6 months from seed. Pkt., 25c.

ACHIMENES □

- 130 **Best Mixed.** Greenhouse pot plant belonging to Gesneraceae family. Flowers tubeshaped in many attractive colors. Nearly all have throats and veins of contrasting shades suitable for hanging baskets and pots. Blooms in 6 months from seed. Pkt., 50c.

AGERATUM □

- 196 **Blue Ball Mexicanum Nanum Compactum.** New deep, dark blue. The plant is dwarf and symmetrical in shape and when in full bloom the foliage is literally covered with small flowers giving the appearance of a closely formed blue ball. Comes true from seed. Pkt., 15c.

- 209 **Mexicanum Little Dorrit Blue.** Dwarf azure blue. Pkt. 15c

ANTIRRHINUM □

- 387 **Geneva Pink.** A charming pink, greenhouse forcing variety, originated by a well-known gardener in Lake Geneva. Pkt., \$2.00.

- 392 **Golden Pink Queen.** A commercial variety used by florists for inside growing. An attractive color. Pkt., \$1.00.

- 394 **Helen.** This is also a greenhouse "snap." Lovely salmon in color. Pkt., \$1.00.

- 395 **Jennie Schneider.** Beautiful pink same shade as Columbia rose. Pkt., \$1.50.

- 388 **Majestic Sunset.** Closely set blooms of large size. Color exquisite combination of bright terra cotta above, shading gradually downward into a rosy salmon. Pkt., 25c.

- 389 **Majestic Orange King.** Forms a close spike of elegant shape, flowers extra large size, coloring is an exquisite blend of shades, rich terra cotta above, the lip golden yellow merging to pure deep orange at the base. The general effect when seen in a mass being a brilliant rich orange. Pkt., 25c.

- 400 **Orlando.** Bronze. An odd but popular shade. Good forcer. Pkt., \$1.00.

- 402 **Penn-Orange.** Striking tangerine orange, dark green foliage. Good keeper. Pkt., \$2.00.

- 406 **Pink Perfection.** A new perfection type, in the large flowering, medium high group. In habit, this new type may be likened to Perfection Stocks—the plant produces innumerable long, perfect spikes, which are perfectly balanced. The flowers are a beautiful shade of pink, described as Hermosa Pink, slightly suffused with salmon. Pkt., 25c.

ANTIRRHINUM—Continued

- 401 **Philadelphia Pink.** One of the best pinks and most popular for growing inside for winter blooming. Pkt., 25c.

- 408 **White Rock.** This is a selection made by a Kansas florist. A good forcing white of medium height. Pkt., \$2.00.

ASTER □

- 598 **Giant Comet Triumph of Paris.** Beautiful white flowers with curled and twisted petals and yellow cushion center. Pkt., 15c.

- 599 **Giant Comet Salmon Rose.** A very charming and delightful shade with curled and twisted petals. Pkt., 15c.

Dwarf Sunshine. The tall variety is well and favorably known as we have listed them for several years in the colored section of our catalog. These are the same attractive shape of flower, but the plants are dwarf.

- 892 **Flesh** 891 **Lilac**

- 893 **Dark Rose** 894 **Light Blue**

Each of the above, Pkt. 25c

- 884 **The Sunshine, Improved Anemone Flowered.** Tall Dark Rose. A new color in the family which is illustrated on page 48. Pkt., 25c.

BEGONIA □ +

Semperflorens or Fibrous Rooted. Useful bedding plants and charming house decorations. Seed is very tiny and care must be taken in sowing the seed.

- 1071 **Christmas Cheer Red.** A very large flowered variety, the blossoms attaining a diameter of two inches. Color, dark crimson-scarlet. Pkt., 50c.

- 1072 **Christmas Pink.** The growth, blossoms and foliage identical to above variety only the color is a delightful shade of warm rose-pink. Pkt. 50c.

- 1079 **Gracilis Fireball.** Brilliant crimson flowers. Pkt., 35c.

- 1080 **Gracilis Rose Charm.** Color fresh rose, resembling that of the Paul Neyron rose, very free bloomer and splendid grower. Pkt., 35c.

- 1073 **Semperflorens Gustav Knaake.** Flowers glowing pink with salmon shade; free flowering; leaves green with bronze shade; good for pot culture. Pkt., 50c.

CALENDULA

- 1194 **The Ball Gold** has the same long stem and extra large, uniformly double flowers that are so well known in our Ball Orange. Pkt., 25c.

- 1192 **Ball's Improved Orange.** This is a selection from Ball Orange Calendula made by the originator. Pkt., 25c.

CALLIOPSIS

- 1209 **Bicolor Splendens.** A bright free-blooming annual. Large golden yellow flowers with brown centers. Pkt., 15c.



Cover Collection of Vaughan's Salpiglossis

The varieties illustrated on our front cover as indicated above, are White and Gold, Golden Yellow, Rose and Gold, Scarlet and Gold, Crimson, Light Blue and Gold, Velvety Violet, Velvety Red and Faust.

- 4631 **Special Offer.** 1 pkt. each (9 pkts.), \$1.00 net.

- 4630 **Vaughan's Special Mixture,** 1 pkt. 15c; $\frac{1}{8}$ oz, 35c.

New Flowers for the Garden of 1928



CARNATION Vaughan's Early and Perpetual Flowering

CALVARY CLOVER □

1249 One of the most unique and interesting of all plants. The plants are very remarkable, resembling clover in foliage and each leaf in its center has a blood-red blotch. The striking characteristic of this interesting plant is the seed capsules. The seed is, so to speak, wrapped up in a ball of prickly fibre, which when unrolled resembles a miniature crown of thorns. It is often grown as a pot plant, but is really a perfectly hardy annual. A plant of great interest and beauty. Height 1 foot. Pkt., 15c.

CANNA □

1311 New Varieties, Mixed. These seeds are selected from a choice collection of a French specialist who has given much time and attention to this plant. These seeds should produce first-class varieties. Pkt., 25c.

1312 Large Flowering Pink. Pkt., 25c.

CARNATION □

Early Flowering Perpetual. Plants bloom in about five months from sowing and continue to bloom until the end of summer. The flowers are very double, of large size. The calyx does not split. They are borne on stiff stems 15 to 18 inches high. Our strain will produce 90% double flowers and comes true to color.

1336 White	1340 Scarlet
1337 Yellow	1341 Maroon
1338 Rose Pink	1342 Salmon Rose
1339 Flesh Pink	

Each of the above. Pkt. (100 seeds), 25c.

1343 Mixed all colors. Pkt. (100 seeds), 25c.

CELOSIA □

1462 Chrysanthemiflora. Produces a compact round head of flowers in many attractive shades, the deep crimson and pastel shades being particularly attractive, the stems are round and straight and very strong. Pkt., 25c.

1456 Parrot's Feather. The plants are stocky in growth, the main stem and each branch being terminated by the most lovely plumes, as gracefully airy and fluffy as the finest ostrich plume. The colors are truly marvelous; most of them have a silvery appearance varying from the most lovely shades of silvery pink, silvery salmon to red, deep red, bright yellow and orange. Many of the plumes are terminated or crowned with cockscombs of varied and fantastic shapes, of texture like the finest velvet plush. Pkt., 25c.

CHEIRANTHUS □

1611 Linifolius. Award of merit N. H. P. S. Charming hardy annual. Although described as an annual may also be treated as a biennial with equal success. Of low spreading habit, wallflower-like blossoms of an uncommon lilac shade. Pkt. 15c.

CINERARIA □ +

1726 *Hybrida Multiflora Nana*. A new race of Cineraria, producing dwarf plants with masses of small flowers, measuring about $\frac{1}{4}$ -inch diameter, compact heads over small and dainty foliage. The flowers are all self-colored, embracing shades of light and dark pink, light and dark blue, red and violet. Pkt., 35c.

1723 Feltham Beauty. Somewhat similar to but dwarfer than *Cineraria Stellata*, with larger flowers and broader petals, but retaining the true star shape. This mixture has many distinct colors, many having white centers. Pkt., 35c.

COLEUS □

1861 Harlequin. Foliage very large, laciniated and in the most beautiful colors, especially in rose and apricot shades. Pkt., 25c.

1862 Pyrenean Giant. A foliage plant with very large leaves with whitish ground dotted with red shades. Pkt., 25c.

1863 Large Leaved Dwarf Mixture. Excellent for pot culture. Lovely shades of green, yellow, white, copper and red leaves. Pkt., 35c.

DAHLIA □

2056 Coltnae Hybrids. A splendid new class, habit neat and compact, blooms from July until frost. The flowers have either flat

or slightly fluted petals, vary in size, being nearly all three inches in diameter. The colors are most varied embracing shades of red, yellow, white and purple with many bizarre combinations. Pkt., 35c.

2067 Stella. A new and striking form of the Single Cactus type of Dahlia, suggesting the shape of a Star-fish, due to the peculiarly recurved shape of the ray petals, which are of a different color on the reverse side, the tints of the latter being generally marbled or watered. The flowers, of which the coloring is extremely varied, appear early and are borne on long, stiff stalks. Pkt., 25c.

2081 Selecta, Extra Double Giant Flowered. A most beautiful mixture of the very best new double Dahlias, with flowers on stiff, erect stems. Pkt. (50 seeds), 50c.

2082 Hornsveld's Giants. Wonderful new single and semi-double flowers in many brilliant colors. Pkt. 50c.

GAILLARDIA □

2471 Pieta Indian Chief. A new bronzy red annual sort. Pkt. 15c.

GILIA □

2532 Capitata (Blue Thimble Flower). 2 ft. Beautiful bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across, much like Scabiosa. Makes a good cut flower as the blooms last well in water. May also be used as everlasting, as the flowers retain their beautiful color when dried. Pkt., 10c.

ANNUAL LARKSPUR □

Improved Giant Hyacinth Flowered. A very handsome flower which must not be confused with the old type of Hyacinth flowered Larkspur. The plants grow in one big spike, broad at the base and tapering to a point at the top, resembling the best of the English type of perennial Delphinium (Larkspur).

2171 Blue

2172 Lilac

2173 Pink

2174 Purple

2175 White

2176 Mixed, all colors

Each of above, Pkt., 15c.

2164 Emperor Pink Delight. A fine new larkspur of compact growth about 24 inches high. Color same charming shade as the Larkspur Stock. Flowered Exquisite. Pkt., 25c.

IPOMOEA □ =

2941 Early Flowering Rubro Coerulea. The flowers measure from $3\frac{1}{2}$ to 4 in. across and in color they are the very darkest sky-blue with a white throat. They are profuse bloomers and during a long season the vines are a mass of baby-blue blossoms. Rank growers and the roots should be confined. Pkt., (15 seeds), 25c.

MARIGOLD □

3166 Double Dwarf French Robert Best. Shining purple-scarlet. An unusual shade. Pkt., 20c.

3201 Signata Pumila. Golden Ring. Pure golden yellow flowers. Fine for borders. Pkt., 15c.

MYOSOTIS □

3351 Indigo Blue Bouquet. A compact upright grower of the pillar or column type, completely smoothed with attractive flowers of dark blue. Pkt., 25c.

3352 Pink Bouquet. A companion to the above, only the flowers are a charming pink shade, splendid for pots or cut flower purposes. Pkt., 25c.

NICOTIANA □

3396 Sanderae Crimson King. The richest and deepest tint, a dark velvety crimson red which has thus far been produced in this family. Splendid effect when planted with Nicotiana affinis or itself. Pkt., 25c.

OENOTHERA □

3441 Giant America. This is a striking variety as white as snow and as large as a Moonflower. Pkt., 10c.

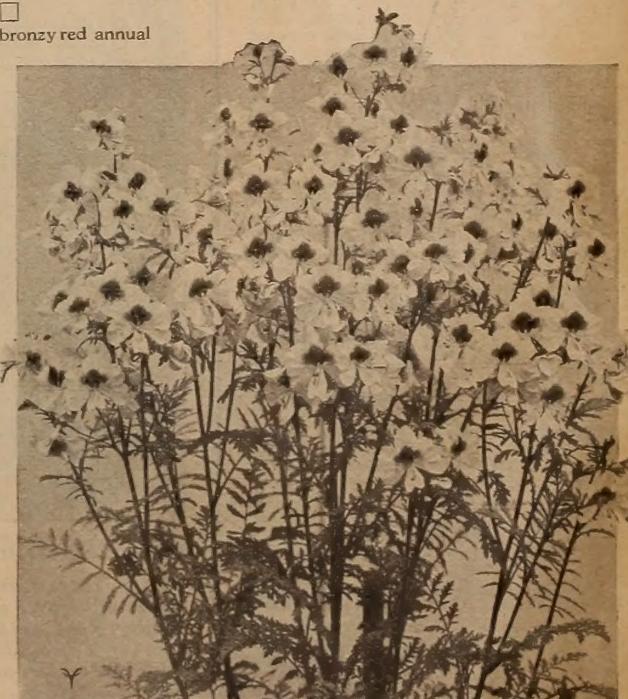
PANSY □

3842 Mammoth Exhibition. We can highly recommend this mixture. It is a sturdy grower and has a short habit and large leaves; in consequence the plant remains in good condition all summer. The flowers are round, solid, of gigantic size, and the most bewitching color range and variation. Pkt., (100 seeds) 50c.

3834 Giant St. Knud. Giant orange flowers. Pkt. (100 seeds), 25c.

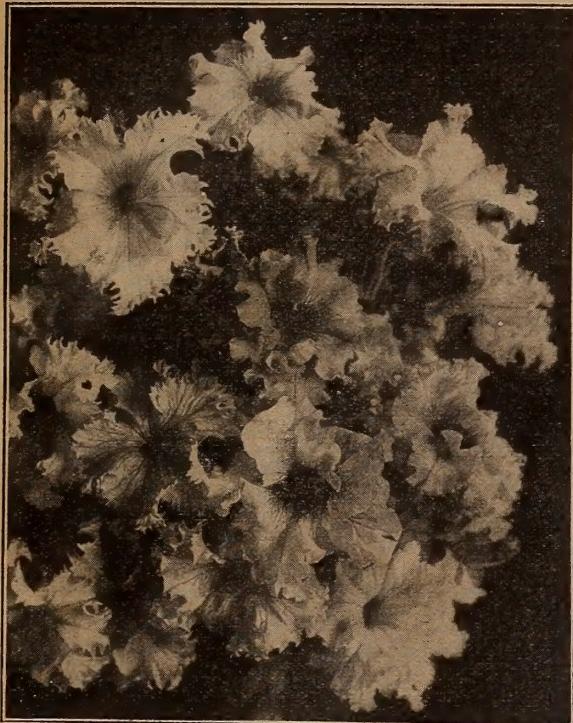
3876 Vaughan's Perfection Mixed. A mixture we buy in Europe which we believe to be the cream of all Heartsease. Fine plants and well shaped flowers of fine substance in many delightful and charming colors. Pkt. (100 seeds), 50c.; $\frac{1}{2}$ oz., \$5.00.

3877 Swiss Giant Mixture. A new strain producing flowers of gigantic size, great substance, perfectly round and in the most novel color combinations never before found in Pansy flowers. The plants are robust in growth. Pkt. (100 seeds), 50c.; $\frac{1}{2}$ oz., \$4.00.



SCHIZANTHUS—Vaughan's Excelsior Hybrids.

New Flowers for the Garden of 1928



PETUNIA Grandiflora Dwarf California Giants

PENTSTEMON (Beard Tongue) ①

3926 **Sensation.** 2 ft. Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. Pkt., 25c.

3927 **Sensation Red Shades.** 2 ft. Produces large handsome stalks of gloxinia-like flowers often 2 in. across and in dazzling red shades. Pkt., 25c.

PETUNIA □

3997 **Compacta Alderman.** Small flowering, deep blue. This is the best small flowering compact Petunia. Same shade as Balcony Blue. Pkt., 50c.

4001 **Compacta, Heavenly Blue.** A fine bedding variety in a silvery light blue. Pkt., 35c.

4071 **Grandiflora, Copper Rose.** Enormous flowers of wonderful color with a dark throat, deeply veined—shade that attracts and holds your attention. The substance of the petals is firm with a velvety surface. Free flowering, but shy seeder. Pkt., 50c.

4066 **Grandiflora, Dwarf California Giants.** The habit of the plant is very dwarf, flowers very large and of the finest substance, very fine range of color. Pkt., 50c.

4046 **Grandiflora Venosa.** A large flower, deep blue veins on light blue. Pkt., 50c.

4061 **Grandiflora Fimbriata Coerulea.** Large flowering, fringed delicate blue, veined with dark blue. Pkt., 50c.

4069 **Ruffled Giants.** The charm of these are difficult to describe. There are so many bewitching shades of color in the gigantic ruffled flowers it is a continual joy to see the flowers unfold and develop. Pkt., 50c.

4067 **Grandiflora Fimbriata Pepita.** Deep carmine, nearly scarlet, blotched white, beautiful varieties, strongly waved and frilled. Pkt., 50c.

4068 **Hybrida Grandiflora Fimbriata Miranda.** Deep carmine, scarlet throat, boldly waved and frilled, the best brilliant red Petunia. Pkt., 50c.

4081 **Grandiflora Superbissima King Alphonso.** Very dark crimson, black throated, boldly waved and fringed petals. Pkt., 50c.

PETUNIA Hybrida—Continued

3947 **Hybrida Grandiflora Fimbriata Fl. Pl. Violacea.** Double Royal Purple. Very fine new double variety. A very unusual shade. Pkt., 75c.
3954 **Hybrida Fl. Pl. Nana Compacta Multiflora Rose and White.** Very fine double small flowering dwarf variety in an attractive color combination. Pkt., 50c.

3953 **Fl. Pl. Nana Compacta Double Rosy Morn.** Medium sized flower semi-double with heavy petals folding back from center of a lovely rose color. It resembles a gardenia in shape. Pkt., 50c.

PHLOX □

4137 **Drummondii Grandiflora Dark Blue.** The only real blue phlox. Pkt., 10c.

4203 **Drummondii Nana Compacta Violet.** The same as above only the plants remain dwarf, suitable for edging and borders. Pkt., 15c.

Cuspidata. The star phlox have quaint and unusual flower formation and make attractive bedding plants doing well in hot sun.

4170 **Coccinea.**

4171 **Rosea.**

4172 **Salmonea.**

4173 **Violacea.**

Each of the above, pkt., 15c.

PHACELIA □

4101 **Campanularia.** 8 in. A very beautiful annual, producing a terminal raceme of intense gentian-blue flowers with conspicuous white anthers; very effective for edgings, etc., and a charming pot plant. One of the earliest annuals to bloom and flowers last in perfection a long time. Pkt., 15c.

RUDBECKIA *

4581 **Triloba. (Thin Leaved Cone-Flower.)** 2-5 ft. July-August., deep yellow. One of the best Rudbeckias. Dense bushy plant grows in sun or shade, any soil. Numerous rayed flowers form a brilliant mass of color. Clean foliage. Associate with Larkspurs in shrubby or border. Flowers the first year from seed. Biennial. Pkt., 25c.

SAINTPAULIA ▷

4589 **Ionantha.** African violet. A free and long flowering pot plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful blue with golden anthers resembling those of a large single sweet-scented violet. Pkt., 30c.

SALVIA □

4662 **Harbinger.** The plants are dwarf and compact in habit and the strong dark foliage is very effective against the vivid hue of the flowers; seeded in February will begin to flower in June and maintain a blaze of color until frost. Pkt., 35c.

SCABIOSA □

4728 **Shasta.** A pure white of enormous size, the flowers measuring three and a half inches across with extremely long stems. Pkt., 20c.

4729 **Peachblossom.** A beautiful shade of peachblossom pink, large size and long stems. Excellent cut flower, highly commended by Royal Horticultural Society of Great Britain. Pkt., 20c.

SCHIZANTHUS □

4757 **Vaughan's Excelsior Hybrids.** A choice strain with very large flowers in an excellent blend of colors. Superior to anything yet offered to the public. Pkt., 25c.

STOCK □**Giant Bismarck**

4926 **Antique Copper.** Rich Hellebore Red, overlaid with copper, the whole giving a very pleasing effect. The strain is very double with individual florets two inches in diameter on long stems. Pkt., 15c.

4948 **Golden Rose.** A rich light rose enhanced by a pleasing golden effect in the center of each individual floret. Very double, large flowers on long stems. Pkt., 15c.

SWEET PEAS □**Early Flowering Spencer**

5348 **Ball's Blue.** Clear blue, good bloomer. Pkt., 15c.

5349 **Ball's Rose.** A bright dark rose with amber flush. Pkt., 15c.

5350 **Blue Boy.** Largest and clearest blue. Pkt., 15c.

5402 **Edward Zvolanek.** Large lavender. Pkt., 15c.

5416 **Giant Rose.** Improved Zvolanek's rose. Pkt., 15c.

5451 **Illumination.** Salmon cerise. Pkt., 15c.

5452 **Imperial Pink.** Clear pink, enormous size. Pkt., 15c.

5466 **Jeanne Mamitsch.** Striking pink, shading off to deepest pink. Pkt., 15c.

5489 **Morse's Superior Pink.** Beautiful clear rose-pink, very slightly shaded with salmon. Pkt., 15c.

5488 **Mrs. Calvin Coolidge.** Salmony pink. Pkt., 15c.

5498 **Pink Cherokee.** A fine pink suffused with salmon on a deep cream ground. Pkt., 15c.

Late Flowering Spencer

5064 **Fluffy Ruffles.** A Giant Summer-Flowering Variety. A great big flower; vigorous and free-blooming—the first of the Ruffled Sweet Peas. A new type, duplexed and frilled, with long stemmed, well proportioned sprays of four almost globular flowers. No other Sweet Pea exhibits such a consistent doubling and ruffling of its petals. A lovely rich rose-pink, a gleam of soft salmon, and a bright creamy undertone blend into a harmonious cream-pink shade that must be seen to be appreciated. A flower of exquisite texture and sweet fragrance. The vines make a sturdy growth and bear a profusion of blooms. The highest achievement yet attained in the most glorious of annuals is Fluffy Ruffles. Pkt., 25c.

ZINNIA □

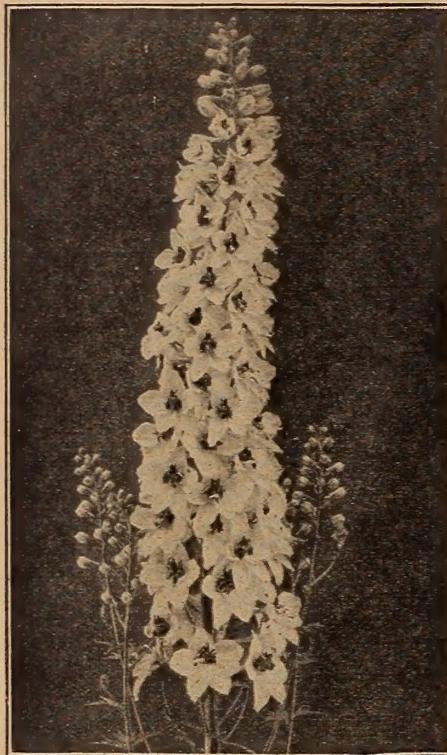
6144 **Dahlia Flowered Gold Medal Hybrids.** A well blended mixture made by the originator of all the novelty sorts. Pkt., 25c. 5 pkts. for \$1.00.

For named varieties, see page 72.



SWEET PEAS—MORSE'S SUPERIOR PINK

New and Rare Perennial Flower Seeds



DELPHINIUM Blackmore and Langdon Strain

ALYSSUM (Madwort)

Showy spring-flowering plants. Valuable for front row in border or rock garden.

7054+Argenteum. Dwarf, dense grower, yellow flowers, in bloom all summer, leaves silvery underneath. Pkt., 10c.

7056+Sanxatile Compactum Sulphureum. Pale lemon-colored flowers. Pkt., 15c.

7057+Wulfenianum. 6 in. Creeping, small leathery silvery gray foliage, flowers large light yellow, in loose showy head. Pkt., 15c.

ANEMONE (Wind Flower)

7080+Coronaria St. Brigid's Strain. May-June. Double and single mixed, 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. Pkt., 20c.

7089 Pennsylvania. 1-2 ft. May-July. White flowers, cup-shaped, 1-2 inches across on strong stems. Leaves much divided. Erect plant. Pkt., 25c.

AQUILEGIA

7159 Long-spurred Rose and Scarlet Shades. A very attractive selection and well worth trying. Pkt., 25c.

7151 Dobbie's Imperial Hybrids. A very fine assortment made by a European hybridizer which will be sure to charm you by its dainty beauty. Pkt., 25c.

7150 Mrs. Scott Elliott's Strain of Long-Spurred Hybrids. (Seed from the originator.) This strain is allowed by the Royal Horticultural Society to be the best ever raised, and has received awards whenever exhibited. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc. There are no jarring or crude tints, and the whole form a most harmonious mass of coloring seldom seen in other flowers. Pkt., 25c.

7153 Farquhar's Pink. Beautiful pink, long spurred flowers. Pkt., 25c.

CAMPANULA

7361+Turbinata. 6 in. A beautiful variety forming close mats of foliage and bearing large cup-shaped flowers of blue, sitting close to the plant and fairly smothering it. June-July. Pkt., 20c.

CEPHALARIA

7433 Alpina (Giant Scabiosa). 5 ft. June and July. Belongs to Teasel order. Flowers yellow on terminal heads somewhat like a scabiosa. Good for shrubby borders. Pkt., 15c.

CHRYSANTHEMUM

7450 Indicum Fl. Pl. Early Flowering Double Chinese Varieties. A mixture with some especially fine colors. Pkt., 35c.

7451 Chrysanthemum Indicum Early Flowering Single Chinese. Attractive flowers in many charming shades. Pkt., 25c.

COREOPSIS

7496 Lanceolata Grandiflora Fl. Pl. (Double Flowering Coreopsis.) This new double and semi-double form is just as easy to grow as the single and the extra petalage adds a further charm to the flower. Pkt., 20c.

DELPHINIUM

7564 Blackmore and Langdon Strain. It was our pleasure this summer to see these in bloom and it is a memory-picture we would like to reproduce, but words are inadequate. They had a dignity peculiarly their own—tall, graceful spikes of bloom, covered from top to bottom with captivating blooms in charming color combinations. All the clear shades of blue with many delightful opaline variations. Some made one think of the inside of sea-shells, all with bees of contrasting colors. Pkt., 50c; large pkt., \$1.00.

7562 Vanderbilt Hybrids. A Californian novelty of charming beauty. Immense flower stalks with great heads of bloom tapering to the tip. Nearly all flowers open at once and exhibit the greatest combination of colors known. Pkt., 35c.

7569 Wrexham Strain (Hollyhock Delphinium). A New Race With Spire-like Spikes. The chief distinguishing features of the "Hollyhock" Delphiniums are: the extraordinary length and the tapering and spire-like shape of the spikes; the indescribably rich and varied tints; the very remarkable extension of the flowering period—many varieties bloom well into August, their resemblance to Hollyhocks. The seed we offer was grown from the introducer's stock seed and is as true to type as is obtainable. Pkt., 50c.

XXX Hybrids Separate Colors.

One of our growers who is a specialist in the culture of Delphinium seed has been at work on an improved strain of this and has segregated different colors into various shades which we are glad to offer as follows:

7556 XXX Light Blue Shades. Pkt., 25c.

7557 XXX Dark Blue Shades. Pkt., 25c.

7558 XXX Mid-Blue Shades. Pkt., 25c.

7559 XXX Pastel Shades. Pkt., 25c.

7568 Double Selecta. Extra double new hybrids, mixed, producing 90% extra double flowers of large size and excellent color variation. Pkt., 50c.

7526 Chinese Tom Thumb Ultramarine. A very pretty dwarf species, with fine feathery foliage with beautiful flowers in open panicles in ultramarine blue. Pkt., 25c.

7521 Chinese Azure Fairy. New soft azure blue. Pkt., 20c.

DIANTHUS □ +

7575 Allwoodii. A new race of hardy plants belonging to the Dianthus family. It makes an ideal pot plant. The flowers are about 75 per cent double and appear in all colors except yellow. The single flowers are quite as handsome as the double and have the advantage of making larger clusters. It is exceptionally hardy, commencing to flower in early spring and continuing through summer and fall. Pkt. (25 seeds), 50c.

DIGITALIS

7751 Canariensis. Canary yellow fox glove. Pkt., 25c.

7768 The Shirley Hybrids. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. Pkt., 25c.

7769 Hybrida Lutizii. New salmon hybrids. Pkt., 25c.

ERINUS

7798+Alpinus. Pretty rosettes of foliage and racemes of rosy purple flowers. A first rate rock plant and also invaluable for establishing on old walls or between steps. 4 in. May-June. Pkt., 35c.

ERODIUM

7799+Manescavii. Handsome dwarf perennial, producing an abundance of small Pelargonium flowers, bright crimson-purple, delicate fern-leaved foliage. 18 in. June-Aug. Pkt., 15c.

ERYSIMUM

7794+Pulchellum (Fairy Wallflower). A new dwarf species, forming close mats of dark green, later eclipsed with yellow bloom. Sandy soil, Pkt., 15c.

EUPHORBIA

7806+Polychroma. 1 ft. April-May. Leaves oblong and dark green, floral leaves different shades of yellow at flowering time. Flowers bright yellow, changing to rosy bronze, combines beautifully with Geum Lady Stratheden. Grows into fine compact bush. Little known but very desirable. Pkt., 25c.

GAILLARDIA-Grandiflora

7811 Dazzler. Large flowers up to 5 inches across, bright golden yellow with rich maroon red center, fine for cutting. Pkt., 25c.

7828 Mastadonte. Large flowered, pure yellow. Pkt., 20c.

7827 Maxima. Very fine gold and yellow flowers. Pkt., 20c.

7836 Portola Hybrids. The plant is of strong, vigorous, erect habit of growth, from 2 1/2 to 3 ft. high; the stems are strong, and stiff, holding the flowers erect; these are of large size, nearly 4 in. in diameter, the petals being very broad and overlapping, of great substance, and spread out flat, forming a very regular flower; in color a brilliant scarlet with coppery hue which is intensified by the golden yellow with which each petal is heavily tipped. Comes about 50% true from seed. Pkt., 25c.

7826 Stand-Holder. Large flowers, more or less yellow bordered, and with lighter or darker red wings around the center. The petals are broad but occasionally tubular with an inclination to doubleness. Blooms early and the stems are stiff and long. Pkt., 25c.

7829 Sibylla. Flowers large, vivid carmine, tipped white, with dark crimson center. Pkt., 25c.

GEUM

7851 Boresii. One of the finest of this showy family, neat tufts of evergreen foliage, producing an abundance of neat branching stems, covered with large well formed flowers, brilliant shade of scarlet flowering from June till late autumn. Pkt., 35c.

7852+Lady Stratheden (Golden Ball). It is a counterpart of the popular scarlet variety Mrs. J. Bradshaw, only the blooms are a rich golden yellow. Pkt., 35c.

GLOBULARIA (Globe Daisy)

Shrubby plants for the hardy garden or rockery, producing fluffy balls of blue flowers during the summer. They all require light soil in a warm, sunny position.

7857+Trichosantha. Dark blue, 12 in. Pkt., 20c.



GAILLARDIA Portola Hybrids

New and Rare Perennial Flower Seeds



COREOPSIS, Double Flowering

HELIANTHEMUM

7906 +*Mutabile* (Rock Rose). Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac then to white. 8-12 in. Excellent for rockeries. Mixed colors. Pkt., 10c.

HIERACIUM

7967 +*Villosum* (Shaggy Hawkweed). 12 in. July. Plant is covered with a white silkiness effective for its large golden yellow flowers and silvery foliage; suitable for rock work. Pkt., 15c.

HOLLYHOCK

8006 Alameda Pink. A beautiful new strain of varying light pink shades of semi-double, crinkly type usually called "Alleghany." The foliage is deep green and thick and large and is quite distinct from other varieties of hollyhock. The blossoms are very large, quite 4 1/2 inches across, and attractive. Blooms first year if sown early. Pkt., 25c.

8007 Exquisite. Flowers very large, beautifully fringed and curled petals, extremely double. Each white-margined petal is adorned by a large blotch, suggesting the markings of the Pelargonium. Supplied in mixture only, containing following colors: Rose, light rose, carmine rose, violet and dark purple. Pkt., 25c.

8004 Lilac Beauty. Double. A clear bright lilac color. A new shade. Pkt., 25c.

8003 Queen of Sheba. Double. New, beautiful primrose buff with rosy reflection. Pkt., 25c.

LILIUM REGALE ①

8117 The Regal Lily. It is absolutely hardy, and is excellent for forcing. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy, oppressive odor of most lilies. Blooms out of doors early in July, and seedling bulbs will flower the second year. Lift the bulbils in fall and replant to greater depth in their permanent location. Pkt. (35 seeds), 25c; 5 pkts. for \$1.00.

LUNARIA

8550 *Annuus* (*Biennis*) (Honesty or St. Peter's Penny). Flowers purple, followed by silvery seed pods, prized for winter decoration. Annual but readily self-sows. Produces the seed capsules (which contain the penny) the second year from seed. Pkt., 10c.

NEPETA (Mauve Catnip)

Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. For beds, edging or rock garden.

8254 +*Mussini*. May-September. Light blue. 1 ft. Pkt., 25c.

PAPAVER Nudicaule (Iceland Poppy)

The plant is of neat habit, forming a tuft of bright green, fern-like foliage from which spring throughout the entire season, a profusion of slender, leafless stems, 1 foot high, each graced with charming cup-shaped flowers.

8286 +*Sunbeams*. This is the result of a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, maize and other tints. The blooms keep well in water. Pkt., 25c.

PRIMULA (Primrose)

These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location and are fine for a rock garden.

8404 +*Beesiana*. A new, hardy primrose with brilliant velvety purple flowers with a large yellow eye, very rich coloring. Pkt., 35c.

8405 +*Bullesiana Hybrida*. New hybrids of rose, orange, carmine, light and dark blue. Pkt., 50c.

8406 +*Floribunda Grandiflora*. A large flowered yellow variety that does well in winter in pots. Pkt., 35c.

8407 +*Frondosa*. Rosy lilac, mealy white foliage. 4 in. June-July. Pkt., 35c.

8409 +*Japonica*, Deep Rose. Pkt., 25c.

8410 +Mrs. Scott Elliott's Special Strain. A very fine selection made by Mrs. Elliott, who has devoted her time to the improvement in Aquilegia and Primrose. Seed from the originator. Pkt., 25c.

8411 +*Moerheimi* Hybrids. The result of a cross between P. Beesiana and P. Pulverulenta. Pkt., 50c.

8413 +*Pulverulenta*. Large flowers of shining purple-carmine. Pkt., 35c.

8414 +*Rosea Grandiflora*. Rose carmine. 8 in. May-June. Pkt., 35c.

8416 +*Veris Grandiflora*, Mixed. An extra choice large flowered mixed strain. Pkt., 25c.

8417 +*Munstead* Strain. A giant polyanthus in many charming shades. Pkt., 35c.

8418 +*Lutea*. Yellow. Pkt., 25c.



HOLLYHOCK

TROLLIUS (Globe Flower)

Desirable free-flowering plants, producing their giant buttercup-like blossoms on stems 1-2 feet high, from May until August; succeed admirably in the border in a half-shady position in well-drained, preferably light soil.

8554 *Europaeus Ledebouri*. Large orange-yellow flowers. Blooms until end of June. Pkt., 25c.

VERBASCUM

8568 *Hybridum*, Miss Willmott. Hardy biennial. The large flowers are produced in stately spikes, rising to a height of 5 to 6 feet and continue from July to frost. A lovely white variety. Pkt., 15c.

VIOLA (Violet)

8581 +*Bosniaca*. Free-blooming, small deep purple flowers. Pkt., 25c.

8582 +*Cornuta G. Wernig*. The flowers of this hardy Viola are exactly like a very large single violet with a long stem, and it is practically ever-blooming. It does well in partial shade. Is also well fitted as a rock plant and bordering. Pkt., 35c.

8583 +*Cornuta Alba* White Wermig. A white form of the above. Pkt., 35c.

8584 +*Gracilis Lord Nelson*. Glowing violet-purple. 6 in. April-August. Pkt., 35c.



LILIAM REGALE The Regal Lily

POLEMONIUM

8386 *Coeruleum Prima Donna*. Dwarf plant with delicate light blue flowers, 18 inches. Pkt., 20c.

PYRETHRUM

8437 *Roseum Comet Flowered Ostrich Feather*. Single, and semi-double flowers with rolled and twisted petals. Pkt., 35c.

8436 *Roseum James Kelwayi*. A rich velvety blood-red. Pkt., 25c.

SAXIFRAGA (Megasea)

These will thrive in any kind of soil and in any position; grow about 1 ft. high and are admirable for the front of the border or shrubbery, forming masses of handsome, broad deep green foliage with pretty rose-pink flowers which appear very early in the spring.

8487 +*Cordifolia Splendens*. 2 ft. Useful little plant for rock garden. Bright rose-pink. Pkt., 35c.

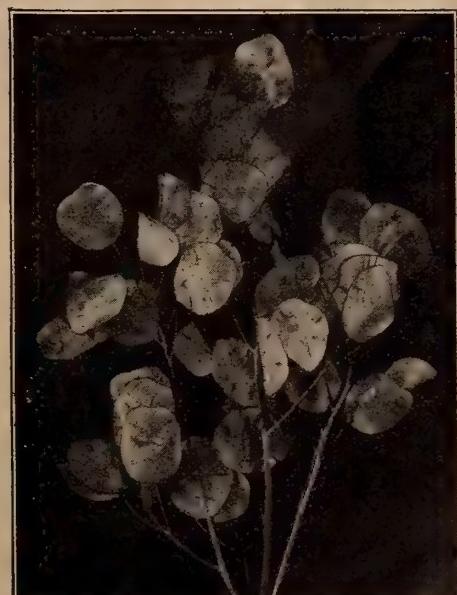
8488 +*Lingulata Leichtlini*. 30 inches. Bright red rock garden subject. Pkt., 50c.

8486 +*Decipiens Grandiflora*. Masses of White flowers. 18 in. Pkt., 35c.

8489 +*Rhei superba*. Rose. 12 in. May-July. Pkt., 35c.

SCABIOSA

8492 *Caucasica New Hybrids*. A collection of new shades in this well-known perennial family. Pkt., 25c.



LUNARIA—Honesty or Peter's Penny

Vaughan's Vegetable Novelties and Specialties



A comparison of size: On right, Ward-well's Wax; left, Monster Stringless Wax.

plants. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

MARTHA WASHINGTON stock, like Mary Washington, is the result of a single cross. The most resistant to rust of the three. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

ROOTS—1-year-old, 75c doz.; \$2.75 per 100, postpaid; \$2.50 per 100 not prepaid. 2-year-old, \$1.00 per doz.; \$4.50 per 100 postpaid; \$4.00 per 100 not prepaid.

Bean, Vaughan's Monster Stringless Wax—

Illustrated above is VAUGHAN'S MONSTER STRINGLESS WAX. This variety has no superior as to quality and flavor. It is so stringless and tender (without any linen in the pod) that it can be used on the table up to the time the bean is almost ripe. It is a light yellow, a color which it assumes almost from its setting. In size it is the largest of all Bush Beans; about half an inch thick and 5 to 8 inches in length. It is early, and matures its beans evenly and well together. Pkt., 20c; $\frac{1}{2}$ lb., 40c; lb., 75c, postpaid.

Bean, New White Stringless Wax—

Earlier than Davis with a longer pod and entirely stringless, perfectly straight and excellent quality. The bean itself is a clear white about the size of Davis and can be used in a dry stage if necessary. This is very productive and fine quality. Pkt., 15c; $\frac{1}{2}$ lb., 35c; lb., 65c.

Bean, Large Green Seeded Pole Lima—

It produces beans equal to any of the so-called "giants," and whose greenish tinge adds much to their appearance over the pure white color of the other sorts. The beans are slightly flatter than the Carpinteria variety. Season medium, pods 9 to 10 inches in length containing an average of 5 to 6 beans, good quality, thin skinned. Like other pole limas, it bears much more freely than do the bush varieties and it should be given plenty of room in planting Pkt., 10c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lb., 85c postpaid; by express, 10 lbs., \$3.25.

NEW LARGE GREEN
SEEDED POLE LIMA

ON this and the following page we list some of the outstanding new or special strains of vegetables of more recent introduction. In the different descriptions we have tried to point out by comparison with old standards wherein the new differ and improve upon the old. Much attention has been devoted by breeders the last few years to disease resistance and we offer a number of the successful results. Each year we gather from the world over such varieties as seem to be new, and grow them in our trial grounds to test their merits and adaptability to American conditions. After trial growing and table tests, we can unhesitatingly recommend these varieties to our customers.

Asparagus Washington Rust Resistant Strain—

Developed by the experts of the United States Department of Agriculture. We offer seeds or plants grown on our Michigan farms from seed sent us by the United States Department of Agriculture.

Rustproof plants are being generally accepted by commercial growers, since the differences between varieties of asparagus are not great, given the same soil and cultivation. Assurance of freedom from disease is of such importance as to predominate in the selection of planting stock. The most satisfactory strain for amateurs and with most commercial growers is MARY WASHINGTON.

MARY WASHINGTON stock is so far the most satisfactory of the three strains. It is the result of a single cross. It is not as resistant as Martha Washington but considerably more vigorous. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

WASHINGTON stock is the result of crosses from a single male plant "Washington" with selected female

Broccoli, Italian Green Sprouting—A plant of the cauliflower family which, after the first head has been harvested produces branching sprouts on which are small loose heads, two inches in diameter, which are cooked like cauliflower. The flavor is delicate and delicious. Pkt., 25c; $\frac{1}{2}$ oz., \$1.25; oz., \$2.00; $\frac{1}{4}$ lb., \$7.00.

Cabbage, "Yellows," Disease Resistant—The loss and destruction

of large acreages of cabbage by the disease called yellows in the commercial growing sections of Southern Wisconsin caused an investigation by the plant pathologists of the University of Wisconsin. No claim is made of freedom or immunity from other diseases, such as clubfoot, stem rot or black rot. We list varieties in order of maturity and offer only stocks that have been tested in the diseased cabbage fields of Wisconsin and found to be 80 to 98% yellows resistant.

WISCONSIN COPENHAGEN. Known as the MARION MARKET. Compared with our Regular Copenhagen it is later by about one week. It is the earliest yellows-resistant cabbage now on the market. Pkt., 15c; $\frac{1}{2}$ oz., 75c; oz., \$1.25.

WISCONSIN ALLHEAD—A yellows-resistant strain of the best early Flat headed variety. Good for kraut, market and home use. Pkt., 15c; $\frac{1}{2}$ oz., 65c; oz., \$1.10; $\frac{1}{4}$ lb., \$3.75.

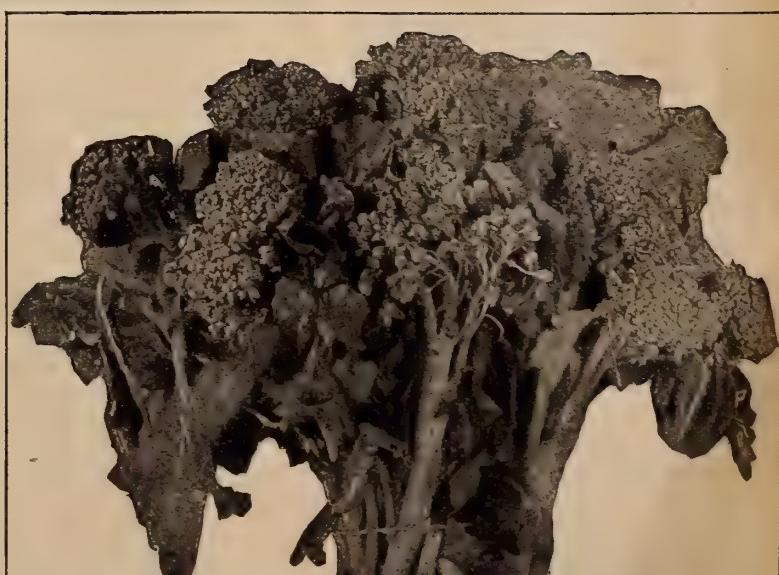
WISCONSIN ALL SEASONS YELLOWS RESISTANT—An early or kraut variety, a selection from the standard All Seasons second early variety. The large kraut growers of the United States now plant this variety almost exclusively. Originated by Prof. L. R. Jones, U. of W. Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 85c; $\frac{1}{4}$ lb., \$3.25.

BUGNER. A winter variety bred yellows-resistant by means of continual selection on yellows soil near Chicago. The most popular winter cabbage around Chicago. Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 85c; $\frac{1}{4}$ lb., \$3.25.

WISCONSIN NO. 9—Selected from the short-stem type of Dutch Winter Cabbage, about a week earlier than Wisconsin No. 8, Wisconsin grown. Pkt., 15c; $\frac{1}{2}$ oz., 65c; oz., \$1.10.

WISCONSIN NO. 8—A late winter keeping cabbage selected from the Dutch Winter or Hollander variety. Pkt., 15c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

RED CABBAGE DISEASE RESISTANT—Main crop. Pkt., 20c; $\frac{1}{2}$ oz., 85c; oz., \$1.35.



BROCCOLI. ITALIAN GREEN SPROUTING

Cabbage Penn. State Ballhead—A very heavy yielding strain of the short stem type of Danish Ballhead bred and introduced by Dr. Myers of Pennsylvania State College. Yields as high as twenty-six tons per acre have been recorded. Highly recommended Pkt. 15c; $\frac{1}{2}$ oz. 75c; oz., \$1.25.

Chinese Cabbage, "Paoting"—Genuine "WONG BOK" type. Chinese growers seeds of this new variety of the Wong Bok type of Chinese cabbage which differs from the Pe Tsai type in being shorter and thicker. It will mature firm heads during the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. In crispness and tenderness it resembles the Pe Tsai and has the same fine, celery flavor. It is the largest of the Chinese cabbages and is probably the safest variety for an amateur to plant, in the spring Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25. Pe Tsai type (Vaughan Strain. See page 19). Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Sweet Corn—Vaughan's Earliest

Our own development produced by breeding from the earliest and most desirable varieties and through several years of careful selection. An 8-row white ear 7 inches long borne on a 7-foot stalk. It is the earliest sweet corn of desirable flavor. Pkt., 25c; $\frac{1}{2}$ lb., 50c; lb., 75c.

Sweet Corn—Golden 60-Day Sweet

As early as 60-day Makegood. It is bred from the Makegood strain crossed with Golden Bantam. Except for its beautiful golden color and a slightly more pointed ear, it is the same in all respects to our 60-day Makegood. Pkt., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c, postpaid.

Sweet Corn—60-Day "Makegood"

Among the many extra early sweet corns recently introduced, this stands out because of its extreme earliness, large ear and good quality. With our Chicago market gardeners who have tried it "Makegood" has been highly profitable. Height 3 feet, ears 10 to 12-rowed, 6 to 7 inches, in length. Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.50.

New Corn, Sconce's Rainbow—A beau-

tifully colored decorative corn developed by Harvey J. Sconce of Sidell, Ill., by scientific breeding methods. Leaves, husks, tassels, ears and kernels are colored in vivid hues of pink, lavender, crimson, mahogany, brown, black, purple, tan, canary, white and in combinations of these colors. There are both dwarf and tall strains and besides their decorative qualities which make them suitable for screen plantings and use in borders, the corn has high feeding value. Mixture of all colors and heights. Pkt., 15c; $\frac{1}{2}$ lb., 35c; 1 lb., 60c. For scientific work we can supply sixteen distinct strains of which a list will be sent on request.

Egg Plant, "Neapolitan"—A prized delicacy

in Europe, proved to be well adapted to American conditions. In size it averages 3 to $3\frac{1}{2}$ inches in diameter by 6 to 8 inches long. It matures about 10 days earlier than the New York or Black Beauty. Its flavor is superior. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c.

Marrow—New Italian—When matured it is 2 feet long, 3 to

4 inches in diameter and very dark green. A bush type and very productive. There is nothing better for slicing in its early growth and if kept picked, will continue to bear until frost. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.

Pea, Laxton's Progress—The latest and by far the best of the large-podded, large-fruited wrinkled peas, growing on dwarf vines which are the sweetest, and best yielding early varieties for the home garden. Of all the varieties producing peas of equal quality, this is the heaviest yielding. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.25.

Pepper, Harris' Early Giant—

The earliest large pepper. Plants grow 10 inches to 2 feet tall, and bear heavily. It takes only 21 to fill a 14-quart basket. They average 5 inches long and $3\frac{1}{2}$ inches through. Color, a deep green turning to brilliant red. Flesh thick and of a very sweet, pleasant flavor. Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 90c; $\frac{1}{4}$ lb., \$3.25.

Radish, Saxa—This is an European variety which has become

very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.40.

Spinach, Bloomsdale Long Standing

Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark) having larger and Savoy-type leaves. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Squash, "Sweet Potato"—A valuable addition

to the list of small squash of fine flavor, which are becoming so popular a feature of fall and winter menus. It is an improved Delicata, as sweet as Table Queen. The fruits average 6 to 8 inches long and they are thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.



SCONCE'S RAINBOW CORN

Tomato, New King—This striking variety was originated in the Chicago district and is the largest tomato that we know of. It is about the season of Ponderosa, but grows to nearly twice the size. An excellent addition to the home garden. Pkt., 25c.

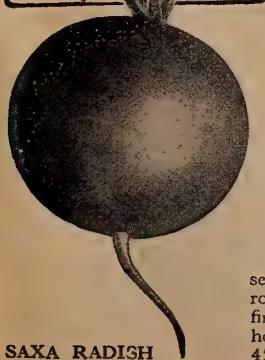
Tomatoes, Wilt Resistant—In sections where fungous and bacterial diseases are prevalent in this crop, resistant varieties should be chosen to insure a normal yield.

MARGLOBE—A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, it produces large, smooth, meaty, globular, red fruits, which ripen uniformly and are relatively free from cracks. It attracted much favorable comment in commercial trials in the Miami Homestead section of Florida last winter because of its freedom from Nailhead rust and puffiness and the production of from 20 to 50 per cent more fruit than Globe, the variety commonly used there. They make a splendid canned product and first-class pulp. From a $3\frac{1}{2}$ acre field of Marglobe grown under ordinary conditions at the Arlington Experimental Farm this year there were picked over 21 tons per acre. Large yields were reported from nearly every region where this variety has been tried. Pkt., 15c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.75.

MARVELOSA is a very productive second-early, pink-fruited variety which produces smooth, globular, firm and evenly-colored fruit. These qualities have already secured its adoption in many commercial greenhouses. It has also been favorably received in trucking regions where the market demands pink fruits. Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 90c; $\frac{1}{4}$ lb., \$3.00.

MARGLOBE TOMATO

NORTON or WILT RESISTANT STONE. Introduced by the United States Department of Agriculture. It is the result of work accomplished by Dr. Prichard to produce a variety resistant to Fusarium Wilt. It is a good variety in disease free soil resembling closely the Improved Stone. Perhaps a little later than Stone. It is very prolific. The fruit is smooth and bright red. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00.



SAXA RADISH

Vegetables of Best Table Quality

Selected Especially for Home Gardens

VEGETABLES from one's own garden are not only more palatable than any you can buy, but more healthful. Research investigators have proved that stale vegetables lose their vitamins rapidly. Long ago it was demonstrated that the flavor of most vegetables begins to deteriorate immediately they are picked; half an hour is sufficient to dull their sweetness. And any gardener knows that the tenderest varieties are not grown for shipping to the market.

For these reasons, a vegetable plot is a necessity in every home garden. It is not a question of growing cheaper than one can buy, but of serving on one's table vegetables of such wholesomeness, tenderness and flavor, as cannot be purchased in any market.

Asparagus

WASHINGTON RUSTPROOF asparagus is of the finest quality, as well as disease resistant. In rich soil, deeply planted, it will produce stalks as large and luscious as any. For green stalks, cut it above the ground; for white stalks, below the ground. The Mary Washington strain is giving most satisfaction. It can be grown from seed, pkt., 15c; oz., 35c; or from roots, 1 year, 75c per doz., \$2.75 per 100, postpaid; 2 year, \$1.00 per doz., \$4.50 per 100, postpaid.

Beans

BUSH beans are the finest; green or wax as one pleases, the flavor is the same. Round pod beans are more brittle; flat pods yield better. Begin to pick them when half grown. While they grow a second crop when clean-picked, it is better to sow for a succession. We recommend: Wax, Round Pod Kidney, ptk., 10c; lb., 55c; 2 lbs., \$1.00. New Kidney Wax (flat pod) ptk., 10c; lb., 50c; 2 lbs., 90c. Stringless White Wax, ptk., 15c; ½ lb., 35c; lb., 65c. Green, Stringless Green Pod (round pod) ptk., 10c; lb., 45c; 2 lbs., 80c. Bountiful (flat pod) ptk., 10c; lb., 45c; 2 lbs., 80c.

Lima Beans

CARPINTERIA pole limas are the finest of all, if one gives them plenty of room, in rich soil, with 7-foot poles to climb. Plant all limas eye-down. Ptk., 10c; lb., 45c. Burpee's Improved Bush lima is earlier, and produces large, delicious beans, when grown with 18 inches between the plants and the soil well enriched. Ptk., 10c; lb., 50c. Henderson's Bush lima gives small beans of the highest quality, and thrives in soil in which others will not. Ptk., 10c; lb., 40c.

Beets

TUR special strain of Crosby's Egyptian is the earliest, and finest for the home garden. Sow thickly, and when beets begin to form, thin out. Ptk., 10c; oz., 20c. Sow Detroit Dark Red for the main and late crop. Selected stock. Ptk., 15c; oz., 25c.

Broccoli

BROCCOLI is a member of the cauliflower family. The most popular variety is Italian Green Sprouting which, after the main head has been harvested, produces branching sprouts on which are small loose heads 2 inches in diameter, which are cooked like cauliflower. The flavor is delicate and delicious. Ptk., 25c; ½ oz., \$1.25.

Brussels Sprouts

THese excellent vegetables, which are expensive to buy and so delicious, are easily grown for a fall crop. Sow in June, and cultivate like cabbage or cauliflower. Long Island Improved is the finest variety. Ptk., 10c; oz., 30c.

Critics often tell us our catalog fails in one respect: that we list so many varieties all described as excellent, the amateur cannot select intelligently among them. Every variety has its distinct merits for specific purposes, or certain conditions. We list them because our catalogs go to hundreds of thousands of buyers all over the country. It is our ambition as seed dealers of the first rank, to offer a complete list.

But there is justice in the criticism, from the standpoint of the amateur, and on these two pages we try to meet the demand which our home gardening friends have made.

Having in mind the requirements of the home garden, which are for vegetables of the highest quality—the tenderest and finest in flavor—we have chosen from each vegetable family the varieties we recommend for home growing. They are, in our opinion, the finest for your purpose which man has produced in his 3,000 years and more of gardening. Grow them yourself, serve them promptly after picking, and you will agree with us that earth has no delights for the palate superior to those which can be grown in your own back yard.

Cabbage

OUR Early All head matures in 90 days from sowing. It provides toothsome coldslaw, and when picked fresh and boiled 10 minutes in an open vessel, will make you say you did not know cabbage before. Pkt., 10c; oz., 25c. Our reselected Copenhagen Market is larger and but little later than Early Jersey, and is a good home garden main crop. Pkt., 15c; ½ oz., 70c. Savoy cabbage should be in every home garden. Its crinkly leaves are more tender, its flavor more delicate. Chopped meat baked in a head of Savoy makes a dish most tempting. Improved American is recommended. Pkt., 10c; oz., 35c. For those who grow cabbage for winter keeping, Dwarf Amager, sown in June, is recommended. Select stock, ptk., 10c; ½ oz., 20c; oz., 35c. For a red cabbage Danish Red Stonehead is good. Pkt., 10c; oz., 35c.

Carrots

CHICAGO Forcing now leads for sweetness; and if you do not know how sweet and toothsome half-grown carrots, fresh from your own garden, are, then life holds a novelty worth while for you. Pkt., 15c; oz., 30c. If one wishes a larger carrot sow also Early Chantenay, which may be allowed to reach full size for winter storage. Pkt., 15c; oz., 25c.

Cauliflower

IF YOU have difficulty maturing cauliflower in the spring, grow it as a fall crop. It withstands frost, and in the shorter days, cooler nights, and more plentiful moisture, it finds its ideal weather and reaches finest quality. Sow in June. New Snowball is recommended, for spring or fall crop. Pkt., 25c; ¼ oz., 80c.

Celery

CELERY is easily grown; and a small patch will produce a great deal. No crop will save you more money, if you use much celery. Golden Plume is a new variety, a selection from Golden Self Blanching; with shorter stalk, a larger heart and the highest table quality. Pkt., 20c. Emperor is excellent in quality, dwarf, and a good winter keeper. Pkt., 10c.

Chinese Cabbage (Pe Tsai)

ONE of the finest salad vegetables we know, is this tall, slender, tight-heading, perfectly bleached head of crisp, tender, delicately flavored leaves. For the home garden it is a fall crop, sown in June or July and at its best after early frosts. Uncooked, it rivals the finest head lettuce; cooked, it is delicious. The flavor uncooked suggests celery, and when cooked, a very mild cabbage. Our strain is exclusive, the product of generations of breeding by a single Chinese family. We have never seen its equal. Pkt., 10c; ½ oz., 30c; oz., 50c. The variety known as Pao Ting is as tender and delicious, but not so tall and slender. Pkt., 10c; ½ oz., 25c; oz., 40c.

Celeriac

AROOTED celery, this vegetable supplies the tasty celery flavor to all cooked dishes much better than does celery itself. It keeps well in winter, and will be found a worthy addition to the vegetarian larder. Giant Prague is the largest and smoothest. Pkt., 10c; ½ oz., 30c.

Chicory, Witloof, or French Endive

GROWN through the summer from spring sown seed, this plant makes roots which are lifted in the fall and stored outside where they freeze. Then taken into a cellar, in the dark, planted in sand, they produce tender, white sprouts, which are delicious for salad. Pkt., 10c; oz., 25c.

Corn

SWEET corn such as home gardeners grow is unknown to others, for sugar content begins to turn to starch as soon as an ear is picked and 40% is lost in 18 hours. Vaughan's Michigan grown Golden Bantam is without equal, and those who want this American delicacy at its best will sow it every two weeks from May 1 (in Chicago's latitude) until July 1st. Pkt., 10c; lb., 40c; 2 lbs., 75c.

Vaughan's Earliest, a white corn, is the earliest variety of fine flavor. Pkt., 25c; ½ lb., 50c. Bantam Evergreen, a large eared golden variety, is 10 days later than Golden Bantam and nearly as sweet. Pkt., 10c; lb., 40c; 2 lbs., 75c. Of the Evergreen type, we recommend Early Evergreen, a very fine-grained variety, 8 to 10 days earlier than Stowell's Evergreen. Pkt., 10c; lb., 40c; 2 lbs., 75c.

Cucumbers

THE ideal table cucumber is long and slender, reaching a good size when half-mature and most toothsome. It is more appetizing if of a cool, blue-green, without warts, and if the seed cavity is small, and the seeds few. The Vaughan cucumber meets all these specifications, and amateurs have excellent success with it. Pkt., 15c; oz., 40c.

Egg Plant

ABEAUTIFUL vegetable, and a delicious one. Start the seed indoors or in a frame, and do not set out the plants until all danger of a chill is over. Do not allow them to suffer a check in growth. New York is the finest. Pkt., 10c; oz., 50c. Neapolitan, a slender shape, is earliest. Pkt., 15c; ½ oz., 40c.

Endive

THE very frosts which kill lettuce, take the bitterness out of the creamy bleached heads of endive, which then becomes a sweet and flavorful green salad. With Chinese cabbage, endive makes the fall green salad crop the finest of the year. Sow in June or July and transplant. The heads are bleached by tying up shortly before using. Green Curled Summer is excellent. Pkt., 10c; oz., 20c.

Kohlrabi

HE turnip flavor is sublimated in the kohlrabi, which is also easier for the home gardener to grow well. It is a relative of the cabbage and needs the same treatment as to sprays. Early White Vienna is excellent. Pkt., 10c; oz., 25c.

Leek

N SOUPS and stews the flavor of leek is unique, much finer than onion; and the well furnished home garden is never without this delicacy. Large Musselburgh is of finest quality. Pkt., 10c; oz., 25c.

Marrow

HIS British favorite will be welcomed by Americans if they learn how to slice and fry it when half grown, or to bake it at this stage of growth. It grows to 2 feet in length by 4 inches in diameter very quickly, and is a novelty for your table. Pkt., 10c; oz., 20c. The new Italian Marrow is picked when two days old and 2 inches long, boiled without peeling and served like asparagus. Your guests will enthuse over this new table delicacy. It is ready for the table in about 40 days. Pkt., 15c; oz., 45c.

Lettuce, Leaf

EAFF Lettuce is the first and surest crop. Sow it as early as you can work the ground. Thin out and feed and water well. Prizehead is very sweet and tender. Pkt., 10c; oz., 20c. Vaughan's Select Grand Rapids is of excellent quality. Pkt., 15c; oz., 25c.

Head. Always start head lettuce in a hot-bed, cold frame or in the house. Always transplant it early, and in the richest soil you have. Keep it growing, watering when necessary, feeding nitrate of soda weekly. You can grow it if you meet these requirements. For a fall crop, sow early in July. New York is the largest, but needs an early start and cool season. It is the kind you buy in winter, California grown, and known as a crisp head. Pkt., 10c; oz., 25c. A butter-head is preferred by many, as being of better flavor. All Seasons is excellent and the best heat resister. Pkt., 10c; oz., 20c. Big Boston is the earliest. Pkt., 10c; oz., 20c.

Cos (Romaine). This is the quality lettuce for home gardeners; and as romaine salad is served in the best hotels in preference to head lettuce. It is easier to succeed with than head lettuce. Express Cos is earliest. Pkt., 10c; oz., 25c. Trianon Cos is later, and self-closing. Pkt., 10c; oz., 20c.

Melons

IN MELONS, especially, many of the very choicest quality sorts are poor shippers and must be grown at home. A careful record for a number of years in our trials where we have tested hundreds of varieties of melons shows that the following averaged highest from the standpoint of quality grown under Michigan (North Central States) conditions.

Golden Champlain, a very sweet and early new melon of good size. If sown May 15th will mature fruit in August. Pkt., 10c; oz., 25c.

Hoodoo (Hearts of Gold). One of the surest of success with the amateur. It is golden flesh and solid. Pkt., 10c; oz., 25c.

Milwaukee Market is the finest flavored large melon; orange flesh. Pkt., 10c; oz., 25c.

Early Knight. The other kinds being all yellow-fleshed melons, we add a green, Early Knight, which has given us a more uniform quality than Rocky Fords. Pkt., 10c. We offer the collection, one each of the above four, for 35c.

Watermelon Sweet Siberian. A yellow fleshed, short season melon of Russian origin, a treasure to Northern gardens. Pkt., 10c; oz., 25c.

Onions

REEN Bermuda onion plants, started in Texas, lifted in April, and planted again in Northern home gardens, will produce good-size Bermudas by September or may be eaten earlier in the green onion or small bulb stage. Plants, 30c per bunch (about 100). You may also use onion sets for young onions or to grow on (white are preferred). Pkt., 25c; qt., 40c.

The finest large mild flavored onions can be grown from seed of the Riverside Sweet Spanish (Denia). Pkt., 15c; oz., 50c. Our Southport Yellow Globe is the best for winter keeping. Pkt., 15c; oz., 35c.



From a Home Vegetable Garden One Serves Such Food as Cannot be Purchased in the Market

Parsley

FOR garnishing, none is more beautiful than Vaughan's XXX, which is an ornament in the garden as well as on the table. Pkt., 10c; oz., 25c. For flavor, grow Hamburg rooted parsley, which will give you a new idea of parsley flavor, when used in soups and stews. Pkt., 10c; oz., 25c.

Parsnips

IS THERE any more delicious vegetable than the parsnip? If you say yes, then you must have eaten it before the frost ripened it. Do you know it will stand freezing, and can be left in the ground through the winter and dug during a thaw, or early in the spring, with quality undiminished? Sow our Hollow Crown. Pkt., 10c; oz., 15c.

Peas

WRINKLED peas are the sweetest, and they are found in three types, the dwarf, which need no support; the brush type, which grow three feet tall and should have brush or wire to climb, and the tall, which grow 4 to 6 feet and should have a post to support them. There are many excellent varieties of all types, but none better than these: Little Marvel, Pkt., 10c; lb., 45c; 2 lbs., 85c. Eight Weeks, Pkt., 10c; lb., 45c; 2 lbs., 85c. Semi-tall Gradus, reselected stock, Pkt., 10c; lb., 45c; 2 lbs., 85c. Laxton's Progress, Pkt., 10c; lb., 50c; 2 lbs., 90c. Tall-Improved Telephone, Pkt., 10c; lb., 45c; 2 lbs., 85c. Quite Content, the largest of peas, Pkt., 10c; lb., 50c; 2 lbs., 90c.

Peppers

NEW Sweet Upright Salad is so mild in flavor it may be eaten raw; and will be found a delicious ingredient of green salads. Pkt., 10c; $\frac{1}{2}$ oz., 40c. Magnum Dulce is the largest, excellent for stuffing, mild in flavor. Pkt., 15c; $\frac{1}{2}$ oz., 40c. Harris' Early Giant is the earliest of the large varieties. Pkt., 10c; oz., 50c. Bull Nose is very large and sharp. Pkt., 10c; oz., 60c.

Pumpkins

FOR pies, our Sugar Pie is recommended; small, fine grained, small seed cavity, very sweet flavor. Pkt., 10c; oz., 15c. For size, Mammoth Prize, surprisingly sweet and fine grained for so large a fruit. Give it room. Pkt., 10c; oz., 25c.

Radishes

RADISHES put the kick in the menu. You must have them the season through. Start with Twenty day, which matures in 20 days, and must be eaten in a week before it turns pithy. Pkt., 10c; oz., 20c. Vaughan's Select Scarlet Globe, sown

at the same time, will be ready when Twenty day is finished. Pkt., 15c; oz., 25c. Giant Butter is the largest of the turnip radishes, of excellent quality, and something to show your friends. It is slow to become pithy. Pkt., 10c; oz., 20c. For use during hot weather sow with the early sorts Icicle, a long white of the finest quality. Pkt., 10c; oz., 15c, or Olive Crystal, Pkt., 10c; oz., 20c. A planting of these each ten days from May 1st to June 1st will carry you through until time to sow Scarlet Globe (August 1st), for September harvest. In June sow a winter radish, such as California Mammoth Winter. Pkt., 10c; oz., 15c. Lift the plants before the ground freezes and they will keep until Christmas.

Salsify (Oyster Plant)

THIS delicious vegetable is easily grown, and is one of the two (parsnips being the other) which can be left in the ground over winter and harvested during a thaw or in the spring. It keeps well in a root cellar if lifted after frost. Its delicious oyster flavor is developed by the frost. Mammoth Sandwich Island is a fine variety. Pkt., 10c; oz., 30c.

Spinach

THE home gardener wants a spinach which will not run quickly to seed, so he does not have to eat his entire crop in a few days. Our introduction Antvorskov, called by some King of Denmark, is the best of all in this respect. Pkt., 10c; oz., 15c. Princess Juliania, a new variety, is better in quality, and rivals Antvorskov in length of harvest season. Pkt., 10c; oz., 15c. Giant Fillbasket is the earliest spinach and also the finest in table quality. Like most early varieties it must be harvested promptly when ready. Pkt., 10c; oz., 15c. Swiss Chard is usually classed with spinach; it is excellent for greens and for feeding chickens. Every home garden should grow it. Pkt., 10c; oz., 15c. New Zealand spinach is equally prolific but differs from chard in flavor. It produces greens throughout the season. Pkt., 10c; oz., 15c.

Squash

WITHOUT exception, the finest of table squashes is Table Queen or Des Moines. Among squashes it is what Golden Bantam is in sweet corn. It is small, and one-half, baked and buttered, would not be surrendered for the sweetest of muskmelons. Pkt., 10c; oz., 20c. Sweet Potato Squash is the newest and one of the best. Pkt. 15c; oz., 35c. Of the Hubbard type, Kitchenette is the finest we know; it is the smallest Hubbard, averaging 5 lbs., but it is highest in quality. Pkt., 10c; oz., 25c.

Tomatoes

TOMATOES should be chosen in some cases according to locality but where there is no specially favored variety, we recommend our Improved Earliana for the first crop. Pkt., 10c; $\frac{1}{2}$ oz., 25c. A second early and one always to be counted on in all soils and conditions is Bonny Best. Pkt., 10c; $\frac{1}{2}$ oz., 25c. For the main crop, a medium size, smooth globe type will be found better on the whole than the Ponderosa type. For instance New Globe, Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c. Where size is wanted, sow Ponderosa, Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c. For a yellow flesh, Golden Ponderosa, Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

Turnips

FOR early turnips cool weather is wanted; sow as soon as the ground can be worked, and eat them quickly when large enough. A fall crop will be found to be excellent. Purple Top Milan is recommended, Pkt., 10c; oz., 15c. Rutabagas for autumn use will be found a more valuable crop than white turnips. They are best after the frost. Bangholm Danish is of excellent flavor. Pkt., 10c; oz., 15c.

Vaughan's Park Lawn Mixture

SUCCESS in lawn making requires, first of all, good seed. There is no excuse in these days for guess work about seed. Laboratory tests show its purity and its germination. We do not buy, nor do we sell, seed which fails to meet our high standards, by test in our own seed laboratory.

Vaughan's Park lawn seed has been sold by us for 50 years. In the beginning it was prepared according to a careful formula, for use in the Chicago parks, which were even then famous. The value of this formula has been proved by recent Department of Agriculture experiments confirming our experience.

Our blends are composed of several grasses, each of which has a purpose. Pure seed such as we sell goes twice as far as the impure mixtures generally obtained at bargain prices, and our seed should be mixed with sand when sown to help scatter it.

HOW TO MAKE A LAWN

Your lawn either makes or mars your home and if you would be successful you must closely follow simple rules which if ignored mean

failure. The essentials to a perfect lawn are: good seed, correct soil conditions and proper subsequent care. These points are carefully explained in our pamphlet "How To Make a Lawn," written for your guidance and which may be had free upon request. A copy of this pamphlet is contained in every carton of

VAUGHAN'S LAWN SEED

We cannot urge too strongly that you follow these directions as soil conditions, fertilizer and correct seeding methods are as necessary to success as is the fine quality of Vaughan's Lawn Grass mixtures.

Quantity to use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 145 lbs. for one acre. To replenish lawns where turf is thin use half quantity.

Note:—Vaughan's pamphlet on "How To Make a Lawn" discusses all the common lawn grass troubles. Have it solve your problems. Any special questions will be gladly answered by letter.

Vaughan's Park Lawn Seed—The Standard Lawn Mixture

This mixture is composed of heavy, re-cleaned seed, blended according to the formula proved in our 50 years' experience to be the best for permanent lawns under American conditions. Recent scientific experiments by the Department of Agriculture confirmed what experience had taught us as to our formula. Kentucky blue grass and red top form the bulk of this mixture, to which are added white clover in the correct proportion and other grasses to thicken the turf, and assist in establishing the permanent stand of blue grass upon which good lawns depend. Our mixture produces a lawn that will endure. Price, $\frac{1}{2}$ lb., 25c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.75; 15 lbs., \$7.00; 20 lbs., \$9.25; 25 lbs., \$11.50; 50 lbs., \$22.50; 100 lbs., \$40.00.

Vaughan's "Columbian"

For Shady Lawns or Sandy Soil

On sandy soil or in light shade, conditions are met with when making a lawn which require the use of a special grass seed mixture. Vaughan's "Columbian" is the correct mixture for such locations.

$\frac{1}{2}$ lb., 25c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.75; 15 lbs., \$7.00; 20 lbs., \$9.25; 25 lbs., \$11.50; 50 lbs., \$22.50; 100 lbs., \$40.00.

Write for special prices on larger quantities.

Vaughan's Dense Shade Mixture

Composed of grasses most suited for growing in heavily shaded situations.

Price, lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20; 15 lbs., \$10.65; 20 lbs., \$14.00.

Homegrounds Mixture

As there is always a demand for an inexpensive, temporary lawn grass, we offer this mixture. It contains some Kentucky blue grass but is cheapened by the addition of timothy. Most of the mixtures on the market at this price contain nearly twice as much timothy. This mixture is to be especially recommended for hard use, that is, on lawns around apartment buildings and on parkways where reseeding is necessary every year.

Price, lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., \$1.15; 10 lbs., \$2.20; 25 lbs., \$5.25; 100 lbs., \$20.00.

Vaughan's "Quick Show" Grass Mixture

Has not the permanency of color of our "Vaughan's Park," but makes a respectable showing the first season. Sow 100 lbs. to acre.

Price, lb., 40c; 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., \$3.75; 100 lbs., \$32.50.

Terrace Mixture

A mixture of grasses that root quickly and form a good turf under conditions as met with on terraces. Lb. 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 100 lbs., \$50.00.

Creeping Bent Stolons

We are able to supply this splendid golf grass for private use. It produces a fine lawn in one season, but must have extra care, several top-dressings a year and frequent mowing. But for those willing and able to provide the needed care it will repay as no other grass known. For \$25.00 we will send you enough runners and roots of the grass to plant 1,000 square feet. 500 sq. ft. for \$14.00; 250 sq. ft. for \$8.25; 100 sq. ft. for \$4.25. Express charges from growing station are extra. If larger quantities are desired ask for a special quotation. We furnish complete directions and deliver to you in good growing condition. A leaflet giving further information about Creeping Bent Stolons will be sent upon request. It is best to plant Stolons in May and June for spring planting, and from the middle of August to the middle of September for fall planting.

On orders under \$2.00 or beyond prepaid zone, add 5c per lb. for postage.

Chicago or New York. On Parcel Post C. O. D. orders there is an extra charge of 12c for C. O. D. delivery.

Vaughan's Tennis Court Mixture

Undoubtedly the best there is, not only for Tennis Courts, but for Cricket Grounds, and Bowling Greens, made up of deep-rooting, hard-wearing grasses.

Price, lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 100 lbs., \$50.00.

Vaughan's Special Grass Mixture "Private Estate"

This contains a large proportion of the more expensive grasses, like the Bent Grasses, Chewing's Fescue, etc., also extra heavy Kentucky Blue Grass. Produces turf of closest, finest texture.

Price, lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20; 15 lbs., \$10.65; 20 lbs., \$14.00.

Fairway Mixture

For Fairways we recommend a simple but very well proportioned mixture of Kentucky Blue Grass and Red Top, which gives excellent results and if properly cared for improves with age.

Price, lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.75; 100 lbs., \$37.00. Sow 100 to 150 lbs. to the acre. Special prices quoted on large quantities.

Putting Green Mixture

We offer a mixture of fancy grasses that make a very good turf but recommend that only one kind of grass be used on putting greens, e.g., European Mixed Bent, or Chewing's Fescue, etc.

Price, lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20; 15 lbs., \$10.65; 20 lbs., \$14.00.

Seed of the Bent Grasses

EUROPEAN MIXED BENT (so-called "Creeping Bent") is a mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Rhode Island Bent. It has been in high favor as a putting green grass.

The important advantage of the Bent Grasses on lawns is that they like acid soils and can be fed with acid reacting fertilizers, such as Ammonium sulphate, the constant use of which discourages weeds.

These seeds are somewhat to be preferred to the Creeping Bent Stolons for lawn purposes (but not for putting greens) because they do not grow so rapidly and the average home-owner can keep up with the mowing. Sow at the rate of 3 to 4 lbs. per 1000 sq. ft.

European Mixed Bent ("Creeping Bent Grass"), 1 lb., \$1.45; 2 lbs., \$2.90; 3 lbs., \$4.25; 5 lbs., \$7.00; 10 lbs., \$13.50; 25 lbs., \$33.00.

RHODE ISLAND BENT GRASS has been neglected as a lawn grass. It makes a fine close turf of excellent color and adapts itself readily to any soils particularly acid soils. This grass also makes good putting green turf.

Rhode Island or Colonial Bent, 1 lb., \$1.65; 2 lbs., \$3.30; 3 lbs., \$4.85; 5 lbs., \$8.00; 10 lbs., \$15.50; 25 lbs., \$38.00.

White Clover

Extra fancy seed. Price, $\frac{1}{2}$ lb., 40c; 1 lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.60; 10 lbs., \$7.00.

Fancy Grass Seeds Unblended

Our analyst is a university graduate with a thorough training in the seed laboratories of the United States Department of Agriculture.

We label all our lots of seed, 10 lbs. or over, with a purity and germination test. Weekly price card sent on request. Samples free.

Fancy Kentucky Blue Grass (*Poa pratensis*)

The greatest of all lawn and pasture grasses for this country. It requires time to establish itself and should be grazed lightly for the first two years. The seed may be sown in very early Spring or in September. Sow 40 to 60 lbs. per acre for pasture and 100 to 135 lbs. to the acre for lawns.

EXTRA FANCY SUN CURED SEED—Specially recleaned and of high germination; 24 lbs. per bushel. 1 lb., 50c; 21 lbs., \$1.00; 3 lbs., \$1.30; 5 lbs., \$1.95; 10 lbs., \$3.75; 25 lbs., \$8.85; 100 lbs., \$33.50, prepaid to 300 miles.

Fancy Seed, actual weight, 21 lbs. per bu. (The standard grade of recleaned blue grass.) 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.20; 5 lbs., \$1.70; 10 lbs., \$3.20; 25 lbs., \$7.50; 100 lbs., \$28.00, prepaid to 300 miles.

ITEMS BELOW ARE SHIPPED AT BUYER'S EXPENSE. ADD POSTAGE, OR ASK US TO EXPRESS, CHARGES COLLECT.

FESCUES

CHEWINGS FESCUE (NEW ZEALAND GROWN)

—There is very little difference between this and the European-grown Red Fescue. Chewings is even greater demand for Putting Greens than the Red Fescue. Best seeded alone when used for greens. It is a perennial with creeping roots and makes a fine turf. Does well in sandy soils, and in the shade. Sow either Spring or Fall, preferably the last week in August or the first week in September, at the rate of 5 lbs. to 1,000 sq. ft. 1 lb., 55c (by mail 60c); 2 lbs., \$1.10; 3 lbs., \$1.50; 5 lbs., \$2.20; 10 lbs., \$4.20; 25 lbs., \$10.00; 100 lbs., \$38.00.

RED OR CREEPING FESCUE (*Festuca rubra*)

—We are not offering as the available seed is considered to be mixed strains and not all the true creeping red fescue.

SLENDER FESCUE OR FINE-LEAVED SHEEP'S FESCUE (*Festuca tenuifolia*)—Of value as a lawn and pasture grass where it does well on dry and inferior soils as well as in shady places. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 90c (by mail, 95c); 5 lbs., \$3.45; 10 lbs., \$6.75; 100 lbs., \$63.00.

SHEEP'S FESCUE (*Festuca ovina*)—A good grass for upland pastures and for sandy and poor soils. It is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage make it a desirable grass for many purposes. Much used for the "rough" on golf courses. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 50c (by mail, 55c); 2 lbs., \$1.00; 3 lbs., \$1.35; 5 lbs., \$2.05; 10 lbs., \$3.90; 25 lbs., \$9.25; 100 lbs., \$35.00.

HARD FESCUE (*Festuca duriuscula*)—This grass does well in sandy pastures. Is a slender and very tufted perennial, a dwarf form of Sheep's Fescue. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 50c (by mail, 55c); 2 lbs., \$1.00; 3 lbs., \$1.35; 5 lbs., \$2.05; 10 lbs., \$3.90; 25 lbs., \$9.25; 100 lbs., \$35.00.

ENGLISH BLUE GRASS OR MEADOW FESCUE (*Festuca elatior pratensis*)—A native of Europe, it has become very thoroughly naturalized here. Should be sown with other grasses. Particularly a pasture or meadow grass. Ours is choice American grown. Sow in the Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 45c (by mail, 50c); 2 lbs., 90c; 3 lbs., \$1.20; 5 lbs., \$1.75; 10 lbs., \$3.30; 25 lbs., \$7.75; 100 lbs., \$29.00.

ROUGH STALKED MEADOW GRASS (*POA TRIVIALIS*)—An ideal shade grass in the Northern half of the United States if it can have enough moisture. This grass is a perennial closely related to Kentucky Blue Grass, but somewhat finer and softer. It has a splendid apple-green color and is a creeper. Sow in Fall or Spring at rate of 1 lb. to every 300 sq. ft. 1 lb., 70c (by mail, 75c); 2 lbs., \$1.40; 3 lbs., \$1.95; 5 lbs., \$3.05; 10 lbs., \$5.90; 25 lbs., \$14.25. 100 lbs., \$55.00.

WOOD MEADOW GRASS (*POA NEMORALIS*)

—Used as a shade grass in the Northern half of the United States. It is a very good shade grass that grows well in rather dry soils and should not be used in moist places. A perennial closely related to Kentucky Blue Grass. Sow in the Fall or Spring 1 lb. to every 300 sq. ft. 1 lb., 80c (by mail, 85c); 5 lbs., \$3.55; 10 lbs., \$6.90; 100 lbs., \$65.00.

ORCHARD GRASS (*DACTYLIS GLOMERATA*)

—A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Not adapted to wet soils. It should not be used in lawn mixtures as it is too coarse and tufted. Sow in the Spring, 25 to 30 lbs. per acre. 1 lb., 40c (by mail, 45c); 2 lbs., 80c; 3 lbs., \$1.10; 5 lbs., \$1.55; 10 lbs., \$2.90; 25 lbs., \$6.75; 100 lbs., \$25.00.

RYE GRASSES

ENGLISH OR PERENNIAL RYE GRASS (*LOLIUM PERENNE*)

—Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it; the seed is heavy and very quick to start. Also a good lawn grass where quick results are wanted. Sow in Spring or Fall, 30 to 40 lbs. per acre for pasture. Standard weight, 24 lbs. to the bushel—our seed extra heavy quality, 27-28 lbs. to the bushel. 1 lb., 35c (by mail, 40c); 2 lbs., 70c; 3 lbs., 90c; 5 lbs., \$1.25; 10 lbs., \$2.35; 25 lbs., \$5.40; 100 lbs., \$19.50.

PACEY'S ENGLISH OR SHORT SEADED RYE GRASS

—A strain selected for its greater yield. The seed is smaller and runs more to the bushel than the standard variety. 1 lb., 37c (by mail, 42c); 2 lbs., 70c; 3 lbs., 95c; 5 lbs., \$1.35; 10 lbs., \$2.50; 25 lbs., \$5.75; 100 lbs., \$21.00.

ITALIAN RYE GRASS (*LOLIUM ITALICUM*)

—Likes a rich, moist, loamy soil where it does remarkably well and produces good hay and pasture. Desirable for this purpose in temporary pastures. It is almost an annual, generally lasting a second year, however. Develops very rapidly. Valuable in lawn grass mixtures demanding immediate effect. Used in the South for winter lawn grass. Sow in October in the North, Spring or Fall in the North, 30 to 40 lbs. per acre for pasture; 4 to 7 lbs. per 1,000 sq. ft. on lawns. 1 lb., 33c (by mail, 38c); 2 lbs., 65c; 3 lbs., 85c; 5 lbs., \$1.15; 10 lbs., \$2.10; 25 lbs., \$4.75; 100 lbs., \$17.00.

DOMESTIC RYE GRASS

—A mixture of the English and Italian Rye Grass, grown in this country. 1 lb., 25c (by mail, 30c); 2 lbs., 50c; 3 lbs., 70c; 5 lbs., \$1.00; 10 lbs., \$1.85; 25 lbs., \$4.10; 100 lbs., \$14.50.

TIMOTHY (*Phleum pratense*)

—The most popular of all hay grasses. A stand is easily secured and growth is very rapid.

Vaughan's Fancy seed (99.5% pure or better), 1 lb., 25c (by mail, 30c); 2 lbs., 40c; 3 lbs., 55c; 5 lbs., 70c; 10 lbs., \$1.20; bu., \$4.20; 100 lbs., \$8.25.

Red Top Grass (*Agrostis alba*)

This grass is well adapted to moist and acid soils but will grow and succeed on any and all kinds of soils. It is one of the most valuable grasses for pastures and meadows but not quite as nutritious as Timothy for hay. Sow in Fall or Spring with or without a nurse crop. To sow an acre of pasture use 8 to 10 lbs. off fancy or 20 lbs. of virgin Red Top. It is invaluable in a lawn grass mixture as it comes quickly and protects the slower-growing grasses until they can establish themselves.

Extra Fancy recleaned solid seed (32 lbs. per bu.): 1 lb., 35c; 2 lbs., 70c; 3 lbs., 95c; 5 lbs., \$1.35; 10 lbs., \$2.50; 25 lbs., \$5.75; 100 lbs., \$21.00, prepaid to 300 miles.

ITEMS BELOW ARE SHIPPED AT BUYER'S EXPENSE. ADD POSTAGE, OR ASK US TO EXPRESS, CHARGES COLLECT.

BERMUDA GRASS (*Cynodon dactylon*)

The grass for Southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the South; winter kills in the North. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to the bushel). 1 lb., 65c (by mail, 70c); 5 lbs., \$2.70; 10 lbs., \$5.20; 100 lbs., \$48.00.

JOHNSON GRASS (*Andropogon halepensis*)—A drought-resister and much used in the warmer parts of the Southern States. Sow in Spring, 1 1/2 bushel per acre (25 lbs. to the bushel). 1 lb., 30c (by mail, 35c); 5 lbs., \$1.10; 10 lbs., \$2.00; 100 lbs., \$16.00.

CANADA BLUE GRASS (*POA COMPRESSA*)

A hardy grass with dense creeping root stocks. Adapted to all soils and very valuable on poor soils and clay soils. Recommended for Eastern States for dairy use. Sow 40 to 60 lbs. per acre for pasture; 135 to 145 lbs. per acre for lawns, in Fall or Spring. 1 lb., 35c (by mail, 40c); 2 lbs., 70c; 3 lbs., 95c; 5 lbs., \$1.35; 10 lbs., \$2.55; 25 lbs., \$5.85; 100 lbs., \$21.50.

AWNLESS BROME GRASS (*Bromus inermis*)—Unsuccessful on arid soils. Very strong, quick growth making two crops or very abundant pasture. It prevents washing on the banks of streams. Sow in the Spring, 2 bushels per acre. (14 lbs. to the bushel). 1 lb., 30c (by mail, 35c); 5 lbs., \$1.10; 10 lbs., \$1.90; 100 lbs., \$14.75.

TALL MEADOW OAT GRASS (*Avena elatior pratensis*)—An excellent meadow grass for winter grazing and for hay in Southern States and dry climates; should be sown with other grasses. Sow in Spring or Fall, 3 bushels per acre (13 lbs. to the bushel). 1 lb., 45c (by mail, 50c); 5 lbs., \$1.90; 10 lbs., \$3.60; 100 lbs., \$32.00.

MEADOW FOXTAIL (*Alopecurus pratensis*)—Every permanent pasture mixture should include some of this grass; particularly good for moist pastures. Does not reach maturity for 2 or 3 years and should be sown with other grasses. Sow in Fall or Spring. (7 lbs. to the bushel.) 1 lb., \$1.15 (by mail, \$1.20); 5 lbs., \$5.35; 10 lbs., \$10.50.

CRESTED DOGSTAIL (*Cynosurus cristatus*)—Fine leaved perennial, best in rich, moist soils. (21 lbs. to the bushel.) 1 lb., 95c (by mail, \$1.00); 5 lbs., \$4.30; 10 lbs., \$8.40; 100 lbs., \$80.00.

SWEET VERNAL GRASS

TRUE PERENNIAL (*Anthoxanthum odoratum*)—Very early; imparts pleasant odor to hay. 1 lb., \$1.70 (by mail, \$1.75); 5 lbs., \$6.25; 10 lbs., \$12.00.

ANNUAL (*Anthoxanthum puelii*)—Sow half pound to acre with other grasses. (10 lbs. to the bushel.) 1 lb., 50c (by mail, 55c); 5 lbs., \$2.10; 10 lbs., \$4.00; 100 lbs., \$35.00.





Dominant Flowers

IN EVERY month of the garden year there is a flower that dominates. Gardeners come to divide the year into periods each corresponding with the reign of an outstanding flower.

Thus we speak of daffodil time, of the tulip season, the iris, peony, delphinium, hollyhock, phlox and chrysanthemum seasons. Though there are hundreds of other flowers blossoming with them, we do not use their names with which to designate the seasons, but give unconscious homage to the flowers that dominate their companions in size, vigor and brilliance.

It is naturally the dominant flowers of which we wish to grow the largest number and variety. If they are missing from our gardens, there is a great loss of interest. Others we may like as well and, in some cases, we may prefer them; but a garden devoid of iris in the iris season, of phlox when the phloxes are in bloom, or of chrysanthemums in the closing days of the garden year, will be incomplete.

So these flowers demand especial attention; we must become familiar with them, learn to know the principal varieties and select with care the kinds we desire to keep and increase.

Perennials You Must Have Offered in Bargain Collections

To assist you in doing this, we have assembled on this page special offers of numerous collections of dominant flowers. In some are listed varieties of wide popularity, which every gardener should know. In

others, we send varieties of our selections, at a special price, which compensates you for surrendering your right to name exactly what you get. In every case the price is a bargain, made possible by economies in order filling, and the size of the order. Where we select the varieties to be shipped, it is a bargain of an exceptional kind.

When named varieties of plants are listed, we must provide a stock to fill the orders that come in. It is necessary to estimate our orders in advance, and this can never be done accurately. Always there will be some varieties of which we soon grow short, and others which we have in plenty. With the latter we fill collections which are of our selection.

Now it usually happens that the varieties we have most of are the most expensive, oftentimes the newest and best. So the collection of our selection is always a bargain, and often a rare one.

Special Phlox Collections

Hardy phloxes come in late July and August, when there are no other perennials of importance. For this reason they are perhaps more essential to the garden display than any of the other dominant flowers—nothing takes their place.

Mixed Phloxes, 1 year field grown plants of our selection, 3 for \$5c; doz., \$2.50; 100, \$15.00.

Collection No. 92—Ten plants, one each of ten varieties of our selection, each labeled by name, \$3.00, prepaid.

Collection No. 92a—Six plants, one each of six varieties of our selection, labeled, \$1.75, postpaid.

Collection No. 92b—Six plants, two each of three distinct colors, our selection, \$1.50, postpaid.

Special Chrysanthemum Collections

Hardy chrysanthemums are the last perennials to blossom. They end the season of outdoor flowers and a fine display in the October and November garden lessens the regret we feel as we watch the approach of winter.

Collection No. 88—Pompon Chrysanthemums, the button flowering type, are perhaps the hardiest of all. We offer fourteen plants of each of the varieties listed under the heading, "Small Flowered Outdoor Varieties," on page 88, for \$2.25, prepaid.

Collection No. 88a—Large Flowered Outdoor Chrysanthemums. These are truly gorgeous flowers and we list only the hardiest of their type. They reach good flowering size the first season, and with protection will endure most winters. We offer twelve plants, one each of the varieties listed on page 88, for \$2.15, prepaid.

Special Iris Collections

Shipped at buyer's expense F. O. B. Chicago.

Collection 12E

Six of the world's finest irises, varieties that have made history, for \$4.00. A year ago they sold for \$7.50.

- 9.4 Ambassadeur, bronze and maroon, 40 inches.
- 9.1 Lord of June, lavender-blue, 40 inches.
- 9.1 Queen Caterina, lavender-violet, 40 inches.
- 9.0 Lent A. Williamson, purple, 42 inches.
- 9.5 Princess Beatrice, the true "Pallida Dalmatica," pale lavender, 36 inches.
- 9.3 Souvenir de Mme. Gaudichau, finest of deep purples, 36 inches.

One each of the above six irises for \$4.00.

Three each (18 plants) for \$10.00.

Collection 12F

Eight choice varieties of outstanding charm and unique coloring for \$2.50.

- 8.6 Cluny, pale lilac-blue, 38 inches.
- 8.3 La Neige, ivory white of satin texture, 24 in.
- Prospero, lavender-purple, 48 inches.
- The Inca, yellow and plum, 24 inches.
- 8.3 Dejazet, rose and violet, 24 inches.
- 8.7 Opera, red-purple, 28 inches.
- 8.1 Raffet, lavender-violet, 26 inches.
- Trianon, pale buff, 28 inches.

One each of the above eight irises for \$2.50.

Three each (24 plants) for \$5.00.

Collection 12G

Twelve splendid standard sorts, each of distinctive merit and special value in the border, for \$2.00.

- Alcazar, purple.
- Archevique, violet.
- Celeste, lavender.
- Florentina Alba, earliest white.
- Gertrude, violet.
- Lohengrin, mauve.
- Monsignor, violet.
- Prosper Laugier, bronze.
- Queen of May, pink.
- Rhein Nixe, white and plum.
- Sherwin Wright, yellow.
- Storm Cloud, slate blue.

One each of the above twelve irises, \$2.00.

Three each (36 plants) for \$4.00.

50 Plants for \$3.00—Collection 12H. Ten each of 5 varieties (50 plants) our selection, for \$3.00.

Shipped express collect—if wanted by Parcel Post, add 15c per collection.

Collection 12J

Japanese Irises follow the tall bearded irises in season and are grown successfully in ordinary garden conditions. Slightly acid soil is preferred for them; use no lime. One each of the twelve varieties of Japanese Irises listed on page 91, for \$4.00; three each (36 plants), for \$10.00.

An Asparagus Bed is a Lifetime Investment

A SPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING—Asparagus may be raised from seed and a crop obtained in three years. In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following Spring, select the best of the roots and place in the permanent bed.

ROOT PLANTING—A year may be saved by buying the plants (one year old are greatly to be preferred) and setting them at least two feet apart in the row, and the rows not closer than four feet; see that the roots are well and evenly spread out in planting and that they are not exposed to the air longer than is absolutely necessary, as they deteriorate rapidly.

WHITE ASPARAGUS. White Asparagus may be grown from the same variety as green. It is merely a method of growing. The roots are set deeper and the stalks are cut underneath the ground before exposure to the light has turned them green.

Washington Rust Resistant Strain. Developed by the experts of the United States Department of Agriculture. We offer seeds or plants grown on our Michigan farms from seed sent us by the United States Department of Agriculture. Rustproof plants are being generally accepted by commercial growers, since the differences between varieties of asparagus are not great, given the same soil and cultivation. Assurance of freedom from disease is of such importance as to predominate in the selection of planting stock. The most satisfactory strain for amateurs and with most commercial growers is MARY WASHINGTON.

MARY WASHINGTON stock is so far the most satisfactory of the three strains. It is the result of a single cross. It is not as resistant as Martha Washington but considerably more vigorous. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

WASHINGTON stock is the result of crosses from a single male plant "Washington" with selected female plants. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

MARTHA WASHINGTON stock like Mary Washington, is the result of a single cross. The most resistant to rust of the three. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

ROOTS—1-year-old, 75c doz.; \$2.75 per 100, postpaid; \$2.50 per 100, not prepaid; 2-year-old, \$1.00 per doz.; \$4.50 per 100, postpaid; \$4.00 per 100, not prepaid.



BONVALLET'S GIANT

Bonvallet's Giant. Equally good, grown white or green. Bonvallet's Giant is favored on account of its extreme vigor and rust resistance. Usually it produces a crop a year in advance of other sorts. Our strain has been improved each year by careful re-selection.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Early Giant Argenteuil. Famous Parisian Asparagus. Grows to large size, vigorous and fairly free from rust, superb flavor. Our seed is from one of the largest plantations near Paris. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

PALMETTO. Standard light green. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

CONOVER'S COLOSSAL. A large, fast-growing variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Asparagus Roots.

	1-Year Old	2-Years Old
Bonvallet's Giant.....	Doz. 100	1000
Argenteuil (Giant).....	2.00	12.00
Palmetto	2.00	12.00

If by mail add postage as follows..... Doz. 5c; 100, 35c. Doz. 8c; 100, 50c

Artichoke

The Artichoke is grown for its edible blossoms. It is a perennial but requires renewing every two or three years. The Jerusalem Artichoke, so called, belongs to a different family.

GREEN GLOBE. Perennial, large-flowering heads of exquisite and unique flavor. A prized delicacy of rapidly growing popularity. Matures second year; not hardy in the North. Pkt., 10c; oz. 75c.

JERUSALEM ARTICHOKE ROOTS. Best hog food known. Easily grown. Three bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. It grows in a wild form in the United States. Lb., 35c; 3 lbs., 85c. Write for quantity prices.

Don't Fail To Sow Lima Beans and Don't Crowd Them

New Wonder Bush Lima. The recognized standard of bush lima bean quality, so considered by critical experts of highest authority. For general purposes Vaughan's Strain of this splendid sort has now come to be used in all gardens where Bush Limas are planted. Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are very uniform, slightly curved and usually contain three seeds.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

Fordhook Bush Lima Bean. The highest quality Bush Lima Bean, it is the old "Potato" or

"Kummerle" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans. In contrast with the old sort, which was dry and mealy, this new Fordhook is tender, sweet and juicy; a richly palatable bush lima bean. Pkt., 10c; $\frac{1}{2}$ lb., 35c; lb., 60c; 2 lbs., \$1.00; 10 lbs., \$4.00

Improved Bush Lima

Burpee's. This improved Burpee's has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder"—and they mature a week earlier. Vaughan's strain of this excellent sort gives the greatest satisfaction to patrons. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.00.

1 and 2-lb. lots of Beans are prepared to the Third Zone. Beyond Third Zone add 5 cents per pound additional. 10-lb. lots by express or freight at buyer's expense.



NEW WONDER BUSH LIMA

BUSH LIMA—BURPEE'S. Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds; thick stems furnish fine support; very productive and splendid quality. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

BUSH LIMA—HENDERSON'S. Crop reliable, very productive, compact form, free from mildew. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.45.

LIMAS should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. They may be sown in hills, or in rows, and allowed to run on chicken wire or strings and thinned to eight or ten inches apart. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space. Many, however, consider the Tall Lima the best flavored of all beans.



CARPINTERIA—
GREEN SEED LIMA

Many expert growers declare Vaughan's "Carpinteria" is the most "perfect Pole Lima Bean." While the seed retains its distinctively green color, it is as prolific as any white lima; the vines are vigorous, bearing quantities of pods, each containing usually four beans. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

Early Leviathan. Exceptionally early, it equals the main crop varieties for large pods; clusters of 5 to 8 grow together. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

Siebert's Early Lima. Hardy early and an enormous producer, a grand variety for northern climates. Pods are dark green, medium long, well filled with 3 or 4 large beans. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

EXTRA EARLY JERSEY LIMA. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

KING OF THE GARDEN. A climber that blooms and produces to end of season. Uniform pods 5 to 8 inches long, filled with beautiful beans of superior quality. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

LARGE LIMA. Very attractive. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

FORD'S MAMMOTH. Pods grow in large clusters and contain from 5 to 7 good beans; edible, green or dry. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

CHALLENGER OR DREER'S IMPROVED. Thick pods, good size and flavor. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.00.

IDEAL POLE LIMA. Excepting only "Carpinteria," this is best for market in Central States and where main crop can mature. Pods are large, some 8 inches long. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

NEW LARGE GREEN SEED LIMA. —See Novelty Pages in front of this Catalog. Pkt., 10c; $\frac{1}{2}$ lb., 30c; lb., 50c; 10 lbs., \$3.25.

Pontiac, Ill., Oct. 4, 1927.

Dear Sir:

We thank you for the excellent quality of bulbs you sent us.

MRS. J. O. MORRISON,
615 E. Madison St.



IMPROVED GOLDEN WAX

Wax Podded Bush Beans

BEANS are very tender. The seeds must be sown where they are to grow, when frost has ended and the ground is warm. The bush varieties are much earlier than the pole beans and are usually the main crop in Northern gardens, and in home gardens where space is limited. Sow in rows about fifteen inches apart, and thin the plants to about four inches apart in the row. Keep the surface soil soft and the rows free from weeds. Do not cultivate when the plants are in bloom, as it prevents the flowers from setting pods, and cultivating when the vines are wet with dew spreads the anthracnose, the chief disease of beans.

For the Home Garden—We recommend Wardwell's Kidney Wax. Improved Golden Wax and Round Pod Kidney Wax. The home gardener will find his bean crop one of the most productive in food values. If the plants are kept picked clean they will bear a long time and a second crop will come in late summer continuing through the fall. If space is limited, however, it is better to plant for a succession crop, as the first crop is much the heaviest.

Wardwell's Kidney Wax. In Western prairie soil this sort is at its best, and gives most gratifying results. The pods are 7 inches long, flat, brittle, stringless, straight, finely shaped, beautiful yellow, distinct and attractive.

Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.50.

Pencil Pod Black Wax. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, containing black seed. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

Round Pod Kidney Wax. Is early, of vigorous growth with heavy yielding vines; pods are long, round and entirely stringless; have fine flavor.

Pkt., 10c; ½ lb., 30c; lb., 55c; 2 lbs., \$1.00; 10 lbs., \$3.75.

Monster Stringless Wax. See Novelty Pages 6 and 7. Pkt., 20c; ½ lb., 40c; lb., 75c.

Stringless White Wax (New). See Novelty Pages 6 and 7. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.15.

Davis Kidney Wax. Vines vigorous and very prolific, bear handsome, waxy white pods 7 inches long; the finest appearing of all early wax beans. They should be used while young, when free from strings. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

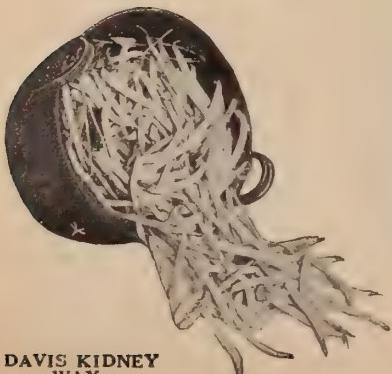
CURRIE'S GOLDEN WAX. Early, hardy, nearly rust-proof. Long, golden yellow pods, crisp and tender. The seed is black. The much-planted sort.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.75.

HODSON WAX. The greatest yielder of garden varieties. Season medium early, vines bear a mass of long, straight pods, resembling the Davis Wax. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

WHITE SEEDED GOLDEN WAX (Michigan White Wax). A white seeded, high quality Golden Wax type.

Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.



DAVIS KIDNEY WAX

Every Home Garden Tender, Stringless

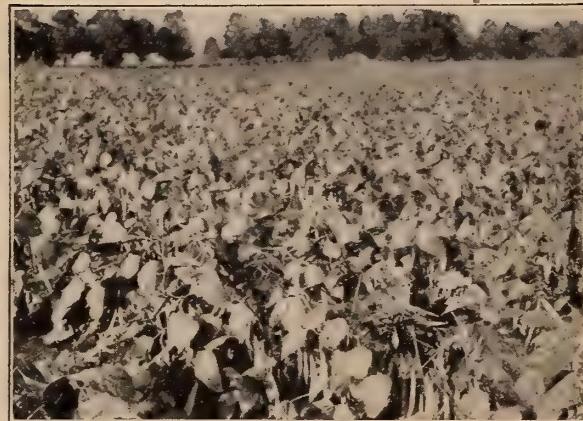
Improved Golden Wax. A medium early and heavy cropper, on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor peculiar to this variety.

Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

Sure Crop Wax. **BLACK SEED**—An extra early, perfectly stringless flat Wax Bean. The pods are large and of a golden yellow color, which they assume when still very small. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

New Kidney Wax. A flat, long-podded, beautiful wax bean, perfectly stringless and of the highest eating quality. Round-podded wax beans have generally been regarded as of better quality than the flat sorts; here is a flat-podded bean, however, with all that can be desired as regards appearance, tenderness and flavor. In addition to these features the New Kidney Wax is a robust grower and a splendid yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height.

Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.50.



A Field of Bountiful Beans on Vaughan's Michigan Farms

Vaughan's Specials

We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.

THERE ARE NONE BETTER

UNRIVALED WAX. A robust grower, ready in 65 days, slightly flattened pods, high quality. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.50.

WEBBER WAX. A Bean of the same season and utility as Wardwell's Wax and Davis' Kidney Wax. The pod is long, handsome, bright yellow in color. Seed yellow. Hardier and more prolific than Wardwell's.

Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.50.

VIOLET FLAGOLET WAX. Resists rust; pods large, flat, yellow.

Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.25.

STRINGLESS REFUGEE WAX. Very productive; pods long, stringless and brittle.

Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

PROLIFIC BLACK WAX. Very early; prolific; long pod.

Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment to the third zone from Chicago or New York on lots up to 2 pounds. For postage charge on larger lots see page 120.



WARDWELL'S WAX

Can and Should Grow Delicious Beans

Green Pod Bush Type

WHETHER one grows Wax or Green Beans is a matter of taste. Tests have proved, as far as can be, that there is no difference in flavor, nor in tenderness; and they are both grown alike. The round-podded varieties are considered to be more brittle, while the flat-podded types are better yielders. Bountiful is a flat-podded variety of remarkable yielding qualities, while Stringless Green Pod and Giant Stringless Green Pod are examples of the round-podded type.

For the Home Garden—Bountiful, Stringless Green Pod, Improved Red Valentine and Stringless Refugee, for all of which we can supply seed grown on our own farms in Michigan.

Stringless Green Pod. The great leader in green pods for general purposes. It is early, and very prolific, the vines bearing long, round, straight, thick, meaty pods, free from strings or fiber; rich deep green color, very attractive and of excellent quality. For succession, plant every two weeks.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

Bountiful Stringless. round pod like the Stringless Green Pod variety. Bountiful, has wonderful quality; absolutely stringless, early and prolific.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.50.

Giant Stringless Green Pod. An immense type of "Improved Early Valentine" and nearly as early. The pods have all the excellent qualities of the original with much greater size, which greatly improves the appearance. A splendid succession sort to Stringless Green Pod.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.50.

Tennessee Green Pod. This is a second early green pod bean of flavor and quality. The flat pods are extra long and irregular in shape; bright green in color.

Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

Improved Early Red Valentine. Is very hardy and early, germinates in cold ground where other sorts would not. Vines are about 15 inches high, yield well; pods are round and fleshy and eaten when young are of good quality.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.75.

Longfellow (Round Pod). Very handsome, nearly stringless, beautiful green pods, 7 to 8 inches long; straight and round; very prolific.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.75.

Black Valentine. It is not as early as "Improved Red Valentine," the original strain from which this was developed and improved, but it is suited to both early and late planting; its hardiness overcomes light frost. The pods are a third longer than Red Valentine, and grow in clusters perfectly straight and round.

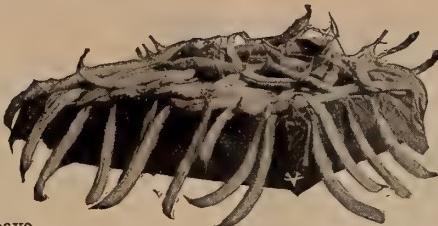
Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.65.

Full Measure. A main crop variety of bush beans—a Stringless Round Green Pod Bean, and on account of quality and productiveness is growing in popularity each year.

Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.50.

Great Northern. A little larger than the Navy Bean, it is hardier and under ordinary conditions a much heavier yielder. For cooking many give it preference, saying it cooks in a shorter time, is more tender and more digestible.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$1.50.



VAUGHAN'S BOUNTIFUL STRINGLESS



REFUGEE OR 1000 TO 1. A producer of remarkably large crops. Compared with Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

Price per packet of following varieties, 10c., except where noted.

EXTRA EARLY REFUGEE. Similar to the Refugee; two weeks earlier. Lb., 40c; 2 lbs., 75c; 10 lbs., \$2.65.

ENGLISH BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class. Lb., 45c; 2 lbs., 80c; 10 lbs., \$3.25.

DWARF HORTICULTURAL. Late, heavy yielding. Flat green pods spotted with red. Lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

"ROBUST." Robust is a selection of the White Navy Bean introduced by the Michigan Agricultural College. In the College trials Robust has always outyielded other White Beans. It is especially adapted to the heavier soils. Lb., 25c; 2 lb., 45c; 10 lbs., \$1.65.

SUTTON'S MASTERPIECE. The best of the greenhouse forcing beans. The pods are flat like Bountiful but larger and thinner.

Early in season and a heavy yielder. Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.50.

IMPROVED NAVY. Fine field sort. Lb., 25c; 2 lbs., 40c; 10 lbs., \$1.25.

WHITE KIDNEY. Shell beans. Lb., 30c; 2 lbs., 55c; 10 lbs., \$2.00.

RED KIDNEY. Lb., 30c; 2 lbs., 55c; 10 lbs., \$2.00.

STRINGLESS REFUGEE GREEN POD. An entirely stringless type of the Refugee or 1000 to 1 variety. Late in season. Fine yielder. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.50.

TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. Pkt., 15c; lb., 65c; 2 lbs., \$1.15; 10 lbs., \$4.00.

WHITE MARROW. Good shell bean Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.00.

NOTICE—We offer beans and peas by the pound, instead of pints, etc. 1 lb. is a little more than 1 pint; 2 lbs. is a little more than 1 quart.

Pole Beans, Later and More Prolific

POLE varieties are more tender than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about three to four feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest.

Kentucky Wonder or Old Homestead. Green pod. The old reliable Green

Pod Pole Bean. The most widely and universally planted of all the pole varieties. The pods are fleshy, saddle-backed, green, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.65.

Kentucky Wonder Wax. The best pole wax bean for Northern planting. It is similar in habit of growth to "Kentucky Wonder Green Pod," and bears as early, or when about as high as the average bush bean. Pods are beautiful golden yellow, and so fleshy that often the thickness surpasses the width; make delicious eating.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

Early Golden Cluster Wax. Long, stringless; fine quality; pods in clusters; pure white seeds.

Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.25.

White Creaseback. Early, long, round, green, stringless tender pods; white beans.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.85.

Burger's Stringless Green Pod. Small, white bean; good for baking; long-bearing vines.

Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

Cut Short or Corn Hill. Much used in the South for planting among the corn. Yields well without poles. Short pods, flat to oval in shape; good quality. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.75.

LAZY WIFE. Good shell beans; long, thick, stringless pods. Crop very short. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

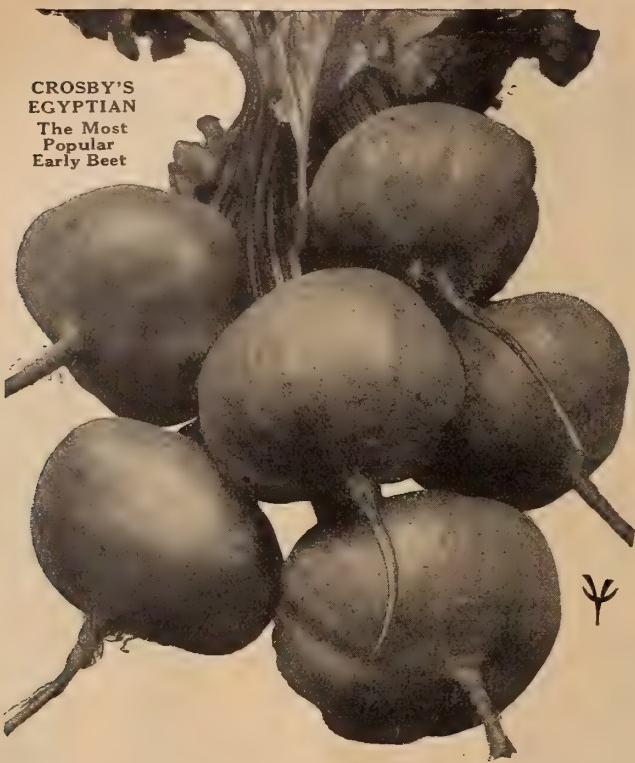
SCARLET RUNNER. Ornamental, bright red flowers. Good snap bean. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.50.

YARD LONG. Or French Asparagus Bean. A long curious bean something like a cow pea, with edible pods. Pkt., 15c; lb., 70c.

DUTCH CASEKNIFE. Early, long, green, flat pods; white seeds. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.65.

HORTICULTURAL CRANBERRY. For cool climate; early; flat green pods, spotted seeds; good snap or shell. Pkt., 10c; lb., 60c; 2 lbs., \$1.00; 10 lbs., \$3.75.

Napanoch, N. Y., Sept. 14, 1926.
Dear Sir:—We wish to thank you for that fine lot of seed. We surely had a fine garden and also the best flowers we ever had. People came from far and near to see them and say "It has been many a year since we saw flowers like them." I also wish to thank you for the catalog.
GEO. OSTERBOUDT.



Mangels For Stock Feeding

Barres Sludstrup. Holds the world's record for dry matter content. This Mangel has been awarded the first-class certificates several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here. Sludstrup is a long, reddish yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far excels any other variety in weight and in the feeding value of the yield. Our seed is from the best Danish growers. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c; 5 lbs., \$2.75.

Vaughan's Mammoth Long Red. Largest and heaviest crop per of long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, bright red skin and white flesh veined with pink. Grows well up above the ground. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c, prepaid; 5 lbs., by express, \$2.50.

GIANT YELLOW ECKENDORF. One of the most popular European varieties; contains a large amount of nutritive matter; it is also a remarkably heavy yielder. The great yellow roots, cylindrical in form, weigh 15 to 20 pounds each; the greater portion grows above ground. Easily harvested. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs., \$2.50.

GIANT YELLOW INTERMEDIATE. Between the long and globe sorts in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs., \$2.50.

SUGAR BEETS—Fine for Stock
The kinds offered below are grown from roots the test analysis of which showed high sugar content. Prices of the following: Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs., by express, \$2.50.

VILMORIN'S IMPERIAL. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels.

KLEIN-WANZLEBEN. Wedge-shape, tapering to long tail.

GOLDEN TANKARD. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Very nutritious. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs., \$2.50.

CHAMPION YELLOW GLOBE. Skin a rich yellow, flesh white and solid; grows two-thirds above ground hence the best for shallow soils. Good keeper. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs., \$2.50.

GIANT ROSE HALF SUGAR. Combines best qualities of Sugar Beets and Mangels. About the same shape as Long Red, but has white skin and flesh. Highly nutritious and a big producer. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs., \$2.50.

LANE'S IMPROVED. Heavy yielder; flesh snow-white.

FRENCH RED TOP SUGAR. Famous in France for percentage of sugar

Tenafly, N. J.

Vaughan's Seed Store:

I wish to tell you that I am greatly delighted with the blooms of the Gladioli bulbs, which I purchased from you last spring through your Garden Club Offer. They have been remarkably beautiful in size and coloring and entirely satisfactory. Every one being especially fine—calling forth much admiration from visitors to my garden. I shall order my bulbs of you next spring and recommend them to my friends.

Very truly,

MRS. CAROLINE F. POND.

From Early Greens to Autumn Pickles, We Relish BEETS

BEETS should be sown in drills in the garden as soon as the ground can be worked. Each "seed" is really a hard-shelled fruit cluster containing two or three small seeds. A moist seed bed is needed and the ground should be firmed well over the seed. Thinning out will be necessary, and the young beets and tops cooked together make one of the best dishes of the season. Thin to 5 inches apart for best results. The turnip varieties are earliest and most popular. The long or blood beets sown in May are harvested in the autumn for winter use. Early varieties sown in midsummer may be harvested in autumn and stored for winter. The home garden is not likely to be attacked by either insects or diseases which will injure beets. Swiss chard is a variety of beet grown for its leaves. See Page 37.

Home Garden Varieties—Crosby's Egyptian or Fireball for the early crop and Detroit Dark Red Turnip for main crop and late crop are recommended to home gardeners as providing the very finest table quality. Swiss Chard should be in every home garden.

Crosby's Egyptian. This is a beet famous both for shape, color and quality. Vaughan's strain, always selected to maintain and improve shape and uniformity, flavor and other excellent qualities, has secured for this variety a wide and growing popularity, based solely on merit. Vaughan's Crosby Beet is very early; has deep red color; is smooth and tender, has sweet flesh that is richly palatable.

VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50; by express, 5 lbs., \$6.50.

STANDARD STOCK—Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

Early Wonder. Different seedmen have so many varying ideas of what constitutes a Crosby Egyptian beet that we are listing this particular type now under the name "Early Wonder." The roots run a little deeper (more of a globe shape) than other types, and are deep blood-red in color, with almost no lighter zoning in the cross section of a root. Top small, but large enough for bunching, small tap root. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50; by express, 5 lbs., \$6.50.

Detroit Dark Red Turnip. A main crop variety unequalled as a big cropper. Perfect turnip-shape, small tap root, small upright tops—fine for market bunching. Skin, dark blood-red, flesh bright red, sweet, tender and delicious.

VAUGHAN'S SELECTED STOCK—Pkt. 15c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.50; by express, not prepaid, 5 lbs., \$6.50.

STANDARD STOCK—Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

Crimson Globe. Second early main crop. Is medium size, about 10 inches around, globe-shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood-red, sweet, tender and never stringy. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Vaughan's Fire Ball. It has no superior in quality, in some respects no equal; it is a "fancy trade" builder. It is early, maturing with "Crosby's Egyptian," has fine globe shape, deep red color and the flesh is solid and very sweet. The tops are small and do not hasten rapid bunching, but small tops permit closer planting than sorts with larger tops. Vaughan's "Fire Ball" is very handsome and highly satisfactory for home use. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50; 5 lbs., \$6.50.

Edmand's Blood Turnip. One of the best, round, well formed, has only one tap root, flesh is deep blood-red, very sweet and tender. They do not grow large and coarse, and, having small tops, they can be planted close.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

Half-Long Blood. A splendid winter sort, half the length of "Long Blood." Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red; flesh sweet, tender and crisp. Never woody.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

Vaughan's Chicago Market. A main crop variety of great merit; rather small, and has a fine tap root. The color is perfect dark blood-red; the leaves are dark glossy red, almost black; does not soon overgrow when left in the garden, and is a fine keeper. For the home garden this is a splendid variety. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

LONG SMOOTH DARK BLOOD.

Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

IMPROVED EARLY EGYPTIAN.

The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

ELECTRIC. Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark rich crimson. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

EARLY BLOOD TURNIP. Good color, large and smooth. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

CLIPSE. Roots globular, small tap root. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00, by express, 5 lbs., \$4.00.

ELECTRIC. Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark rich crimson. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.



OX HEART

DANVERS
HALF LONGIMPROVED
LONG ORANGENANTES
HALF LONGEARLY
CHANTENAY

Carrots Are Rich in Vitamines

A Health and Beauty Food for Young and Old

CARROTS are not alone one of the most wholesome of foods, supplying precious vitamines, but when half-grown are one of the greatest delicacies possible to place on the table. Persons who say they do not like carrots usually will be found never to have tried them young. The seeds are very slow to germinate and they should be marked in the row with radishes or some other quickly-maturing crop which will be harvested before the carrots crowd. Mellow soil which will not bake over the seeds and will not harden in midsummer is the kind carrots like. Plant in rows 18 to 24 inches apart and thin 3 to 4 inches apart.

Vaughan's Select Danvers. This is a very popular and universally planted carrot. It is two weeks later than Chantenay and the diameter of the root is slightly smaller. It is a half-long type, averaging five and one-half inches in length tapering to a blunt point. The color is a rich, deep orange, the table quality excellent, its yield greater per acre than any other.

DANVERS SELECT STOCK—Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50; 5 lbs., \$6.00.

HALF LONG DANVERS. Standard Stock. More pointed and slightly smaller than Select. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

Guerande or Oxheart. Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has fine flavor and tenderness. A second early. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

Carrots contain the following vitamines: Fat soluble A, water soluble B, and water soluble C. They are especially important in the diet of children.

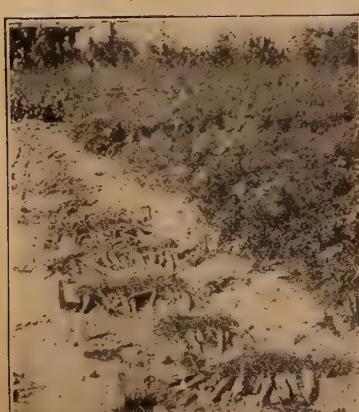
Vaughan's Chicago Forcing. A FORCING STRAIN. It is similar in shape to "Chantenay," develops much earlier; has smoother roots, fine dark red color; before other sorts, it is a little delicate for market purposes; as a forcing sort, or for open ground as an early in home gardens it is fine. Excellent quality, fine short leaves, no core or heart. Pkt., 15c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$2.50.

CARROTS FOR STOCK

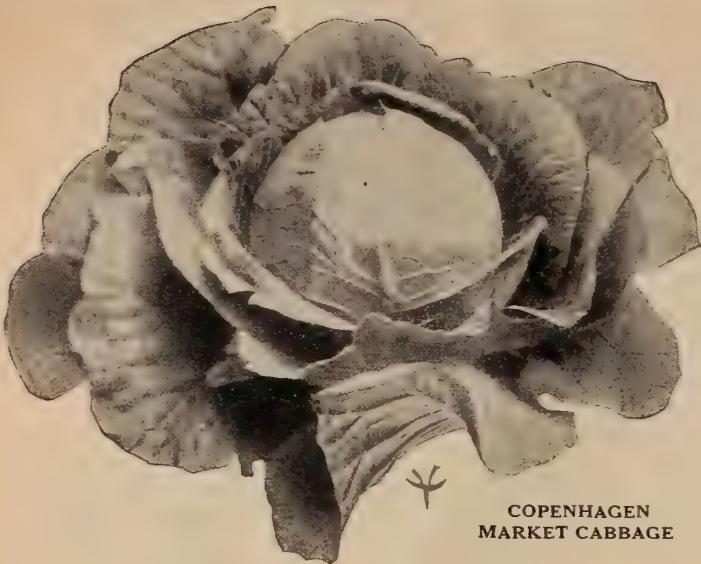
Mastodon or White Intermediate. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 85c; 5 lbs., \$3.75.

LONG ORANGE BELGIAN. Good heavy cropper for light soils. Exceptionally fine keeper. Oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 90c; 5 lbs., \$4.00.

LONG WHITE BELGIAN. Similar to Long Orange except in color. Oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c; 5 lbs., \$3.75.



Carrot Trials at Vaughan's Michigan Farms

COPENHAGEN
MARKET CABBAGE**Re-selected Copenhagen Market Extra Early.**

As the earliest of the larger heading cabbages Copenhagen Market is of the utmost importance to both home and market growers. Our re-selected early strain has been sold by us for six years with remarkable results. Truck gardeners have reported that their entire crop from this seed has been marketed before Copenhagen heads from other seed were ready to cut. The product is uniformly early with few outside leaves. This strain is the result of years of work by a European breeder who we believe first bred and produced the Copenhagen Market.

RE-SELECTED TESTED STOCK. Pkt., 15c; $\frac{1}{2}$ oz., 70c; oz., \$1.25.STANDARD STOCK. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; 2 oz., 70c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.25.

Vaughan's All Seasons. This special Vaughan's Cabbage, although really an early, late it keeps well, and is of much better quality than the big ribbed winter sorts. The heads are large and solid, leaves small ribbed; matures about same time as "Early Summer" with larger head. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

All Head Early or Faultless. Amateur growers who plant only one variety should select this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

Early Flat Dutch. Sure solid header; weighs 10 to 12 pounds. Even size, matures with "Early Summer," a Second Early; it stands long without bursting. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

RED CABBAGE

Haco, Earliest Round Red (New). This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. The color is intense dark red throughout, heads trimmed average 3 lbs. each. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

DANISH RED STONE HEAD. Hard, round, ball-shaped heads, very compact and keep well. Pkt., 10c; oz., 35c; 2 oz., 60c; $\frac{1}{4}$ lb., \$1.15; lb., \$4.00.

MAMMOTH ROCK RED. A sure header of good red color to the center. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

ZENITH. A very fine medium early sort. Not large, good quality and fine color. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.15.

RED DRUMHEAD. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

**IMPROVED
AMERICAN
SAVOY**

VAUGHAN'S BLACK DIAMOND. A new second season black-red variety. Pkt., 10c; oz., 35c; 2 oz., 65c; $\frac{1}{4}$ lb., \$1.15.

DARK RED DUTCH. Pkt., 10c; oz., 30c; 2 oz., 55c; $\frac{1}{4}$ lb., \$1.00.

Vaughan's Seed Store:
My yard or lawn I re-established by seeding with your special mixture is making such excellent showing that people naturally want to know where I got my seeds. Your flower seeds gained for me the Kiwanis prize year before last.

C. G. MUTZENBERG



No Longer Humble; Now Vaughan's Furnish Best for Each Purpose;

THE earliest cabbages may be enjoyed in June from seeds sown in the house or in a hotbed. Early Jersey Wakefield matures in 90 days, and later varieties in 100 to 115 days. Both early and late varieties should be started indoors, and for fall and winter cabbages the late varieties should be started in a seed bed in May. Savoy cabbages excel in table quality and are recommended for the home garden. Plenty of room should be given plants, at least two feet each way. They need a light and well watered soil, rich in nitrogen. Frequent applications of nitrate of soda or some other nitrogenous fertilizer will work wonders. Cabbage worms may be kept off by dusting with Slug Shot or spraying with Pyrox or arsenate of lead.

Vaughan's Select Early Jersey Wakefield.

This extra early conical-shaped head cabbage is the best early for planting in the United States. Earliness and hard heading in this variety are most important to growers. Early Jersey Wakefield Cabbage is a specialty with us, and to secure the best seed on our growing farms we spare no expense. More seed of this sort is planted in the United States than of all other varieties of the same type together. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; oz., 30c; 2 oz., 55c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

EARLY
JERSEY
WAKEFIELD**Early Summer (New York).**

The heads are of fair size, solid, quality good, has an attractive appearance, being tinged with a peculiar shade of blue. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

New Cabbage—Golden Acre. This is a very good selection of heads smaller than our re-selected strain. The season is a trifle earlier. Very uniform. Pkt., 15c; $\frac{1}{2}$ oz., 70c; oz., \$1.25.

Charleston Wakefield. This sort matures a few days later than "Early Wakefield," with heads much larger and uniform. Very popular with Southern growers; it does well on heavy soil. Pkt., 10c; oz., 30c; 2 oz., 55c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

EXTRA EARLY EXPRESS—An oval head, large—thicker and less pointed than Jersey Wakefield; matures a short time later. Pkt., 10c; oz., 25c; 2 oz., 45c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

EARLY WINNIGSTADT—Sure to head, regular, conical shape, very hard and hardy, a good keeper. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

SUCCESSION. Heads large, flatter than "Early Summer," two weeks later, but more uniform. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

FOTTLER'S IMPROVED BRUNSWICK. Comes in much earlier than "Premium Flat Dutch." A dwarf growing sort with very large early heads, and is valuable both as Second Early and for winter use. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$2.75.

GLORY OF ENKHOUSEN. An early, globe-shape, medium size, sure heading and a splendid keeper. Matures right after Copenhagen Market. More uniform and more even maturing than Copenhagen. Originator's stock. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 95c; lb., \$3.25.

SAVOY CABBAGES

IRON HEAD SAVOY. Best of the early sorts. Round head, large and solid. Quality excellent. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

MARVIN'S SAVOY. A large solid head, very early. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c.

IMPROVED AMERICAN. Standard main crop sort. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

Your "Yellows" resistant strain of All Seasons enables me to grow wonderful crops of cabbage on soil which is so badly infected with "Yellows" that all non-resistant strains are not worth planting. This season I had many heads weighing around 12 pounds, but the prize head tipped the scales at 15 $\frac{1}{2}$ pounds.

FRANK STRADER, 133 E. Main St., West Carrollton, O.

Prized for Its Vitamines Cabbages Cooking, Salads and Kraut

Danish Ballhead, Tall. From Amager Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. This is the tall-stemmed strain, different than the short-stemmed "Hollander" or the "Dwarf Amager." It has a perfectly solid head, unequaled keeping and shipping qualities, correct market size, not too large, hard and heavy heads, weighing a fourth more than other sorts of equal size, fine grained leaves deliciously tender.

VAUGHAN'S SELECTED STOCK. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; 2 oz., 60c; $\frac{1}{4}$ lb., \$1.15; lb., \$4.00.

Dutch Winter or Hollander. Excels as a "late spring" seller. The heads averaging about 8 pounds, very solid, have a distinct, white color; coming out as fine and as perfectly solid in the spring, as when put away in the fall.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c; 2 oz., 60c; $\frac{1}{4}$ lb., \$1.15; lb., \$4.00.

DUTCH WINTER OR HOLLAND STOCK SEED. Pkt., 15c; oz., 40c; 2 oz., 75c; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00.

Dwarf Amager, or Short-Stemmed Danish Ballhead. This variety is almost identical with "Dutch Winter or Hollander."

We import our seed direct from Amager Island, Denmark; and we supply one-year-old, proven stock, if wanted.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; 2 oz., 60c; $\frac{1}{4}$ lb., \$1.15; lb., \$4.00.

Vaughan's Premium Late Flat Dutch. Of the Flathead

large-heading sort is the most popular. Seed may be sown in the open ground and plants raised without the use of hotbeds. Our seed produces immense solid heads, uniform, true, and of finest quality. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

Bridgeport Drumhead. The best Large Fall Shipping Cabbage in existence. We introduced this variety over thirty years ago. The original type has been kept up and improved to a high degree of perfection. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

Penn State Ballhead. See Novelty Pages 6 and 7. Pkt., 25c; $\frac{1}{2}$ oz., 85c; $\frac{1}{4}$ lb., \$2.60; lb., \$10.00.

Cauliflower

CAULIFLOWER is an exacting crop, yet success is easy where the conditions are right. Like radishes, this plant makes quick growth in cool weather. The amateur is likely to succeed best with plants matured in the fall. Start the first crop early in the house and transplant into rich, light soil, where plenty of water can be given; then apply regularly nitrate of soda or liquid manure. Cabbage worms may be killed by Slug Shot, Pyrox or arsenate of lead used before the heads begin to form. To bleach the heads tie up the leaves over them.

Vaughan's New Snowball. For early outdoor planting and forcing Vaughan's "New Snowball" Cauliflower is a strain of exceptional merit and value. In size, compactness and color it is ideal. A well grown head will measure 9-10 inches across and have depth in proportion, will be solid, and have a perfectly white core. It is dwarf in growth, and earlier than any other sort. This strain is also extensively planted for late summer and fall market. Pkt., 25c; $\frac{1}{2}$ oz., 80c; $\frac{1}{4}$ oz., \$1.50; oz., \$2.75; $\frac{1}{4}$ lb., \$9.50.

Vaughan's Earliest Dwarf Erfurt. Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt was the standard of early Cauliflowers. In all respects it is similar to Vaughan's New Snowball, but a few days later. Pkt., 25c; $\frac{1}{2}$ oz., 80c; $\frac{1}{4}$ oz., \$1.50; oz., \$2.75; $\frac{1}{4}$ lb., \$9.50.

Dry Weather Cauliflower. This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. It is a very sure header, heads larger than Snowball, and is snow-white and second early. Our seed is grown by the originator in Denmark. Plant the best. Pkt., 25c; $\frac{1}{2}$ oz., 80c; $\frac{1}{4}$ oz., \$1.50; oz., \$2.75; $\frac{1}{4}$ lb., \$9.50.

Danish Snowball. Later than Vaughan's "New Snowball." A splendid second early. Although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit. The best bargain at this price in Cauliflower seed. Pkt., 20c; $\frac{1}{2}$ oz., 80c; oz., \$1.50; $\frac{1}{4}$ lb., \$5.25.

AUTUMN GIANT. In Southern localities this meets with favor as a large heading late fall sort. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.

EXTRA EARLY PARIS. Very dwarf and early, for summer planting. Pkt., 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.75.

LARGE LATE AMERICAN DRUM-HEAD. A selected strain in this Standard Winter Cabbage. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

VAUGHAN'S SURE HEAD. This is a large round flatheaded variety, uniform size and weighing 10 to 15 pounds each head. They are very solid and have fine quality.

Our strain is most popular with market gardeners and large growers—it is a sure header, in most unfavorable seasons. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

Celery Cabbage or Chinese Pe Tsai. The VAUGHAN Strain.

This exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away the cabbage presents a well nigh irresistible appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. Note the compact, tightly folded leaves in our illustration and their beautiful white crispness. The heads blanch without tying. July is the proper planting time.

"A Salad Vegetable" is David Fairchild's estimate of Pe Tsai in a recent Journal of Heredity, "As palatable as lettuce, keeps better, equal in food value and can be grown at half the cost of lettuce. Boiled like cabbage it is of equal flavor, without offensive odor and many people who cannot eat or do not like cabbage enthuse over Pe Tsai."

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; 2 oz., 85c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Celery Cabbage Pao Ting. See Novelty Pages 6 and 7. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25. See Novelty Pages 6 and 7.

Cabbages "Yellows" Disease Resistant. Special prices on quantities to Market Gardeners.

Wisconsin Copenhagen. Pkt., 15c; $\frac{1}{2}$ oz., 75c; oz., \$1.25; $\frac{1}{4}$ lb., \$4.00.

Wisconsin Allhead. Pkt., 15c; $\frac{1}{2}$ oz., 65c; oz., \$1.10; $\frac{1}{4}$ lb., \$3.75.

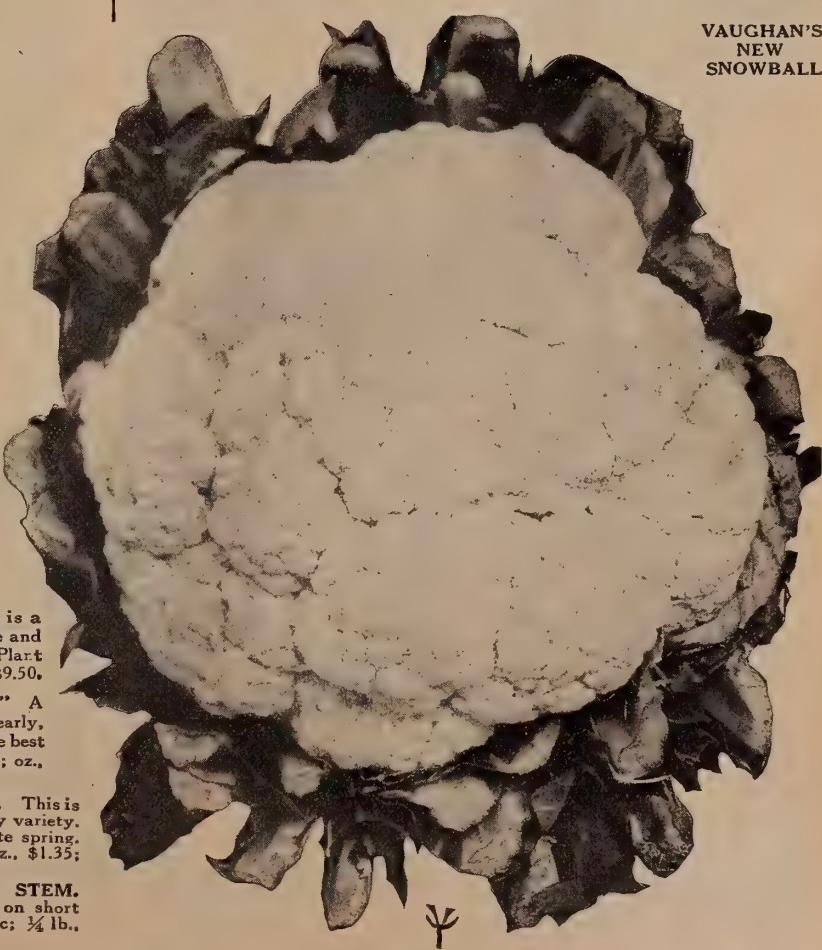
"All Seasons" Disease-Resistant. Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 85c; $\frac{1}{4}$ lb., \$3.25.

Bugner. Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 85c; $\frac{1}{4}$ lb., \$3.25.

Wisconsin No. 9. Pkt., 15c; $\frac{1}{2}$ oz., 65c; oz., \$1.10; $\frac{1}{4}$ lb., \$3.75.

Wisconsin No. 8. Pkt., 15c; $\frac{1}{2}$ oz., 60c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50.

Red Cabbage (New). Pkt., 20c; $\frac{1}{2}$ oz., 85c; oz., \$1.35.



VAUGHAN'S
NEW
SNOWBALL



THE CHINESE PE TSAI
THE VAUGHAN STRAIN



MAMMOTH WHITE CORY

Vaughan's Mammoth White Cory. The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—Earliness, Size, Sweetness. Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. One of the earliest; the ears are as long with two to four more rows of kernels set close, so there is no loss of space in the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. No more careful selection can be practised than we use, and ears are dried in Vaughan SPECIAL

Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

Stowell's Evergreen. The great standard main crop variety of our and grow 7 to 8 feet high, and bear ears 8 inches long, with 6 or more rows of the finest sugary grains. We have specialized in this grand sweet corn for many years, and we say with confidence our strain is the best that money can buy. Vaughan's New England grown seed develops a larger percentage of sugar than seed grown in the Western States. We quote prices here for both.

SELECT EASTERN GROWN—Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

WESTERN GROWN, EASTERN STOCK SEED—Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.



TWO POUNDS PREPAID

Catalog prices of sweet corn, peas and beans include prepayment to the third zone from Chicago or New York on lots up to 2 pounds. For postage charge on larger lots see page 120.

GOLDEN CREAM (A Late Yellow). A cross of Golden Bantam and Country Gentleman. The result is a yellow Country Gentleman. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50. (Larger quantities of all Sweet Corns or other seeds at 10-lb. rate)



Celery Is Easy To Grow

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good lettuce and cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of May, 8 inches apart for the early kinds and a foot for the winter varieties. Where the soil is very rich they may be grown closer. Keep them growing and do not work over the plants when they are wet with dew or rain. Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

For the Home Garden—We command Emperor and Golden Self-Blanching.

Golden Self-Blanching.

Vaughan's Selected Stock. The choicest sort of delicious celery; it excels all other yellow varieties. Dwarfer, larger bunches, with broad, heavy stalks, which blanch into a rich, appetizing, golden yellow, make this the favorite, most popular, golden celery on the market. Though the stalks are broader and heavier than the white varieties, the quality in sweetness, tender crispness, delicious flavor and absence of strings, make it a most delightful table necessity. The French originators of this variety have lately introduced a re-selected strain which they are now using. It is earlier and stronger growing than the older type. We offer the two strains separately, the new type French grown by the originators and the old type American grown.

OLD TYPE, Dwarf Strain, Selected French Grown.—Pkt., 20c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 75c; oz., \$1.35; $\frac{1}{4}$ lb., \$5.00; lb., \$16.00.

NEW TYPE, Tall Strain, Selected French Grown.—Pkt., 20c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 75c; oz., \$1.35; $\frac{1}{4}$ lb., \$5.00; lb., \$16.00.

OLD TYPE, Dwarf Strain, American Grown.—Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$2.50; lb., \$6.50.

White Plume.

Of the white varieties this is recognized as the best. Among market growers it is popular because it has excellent marketable qualities; with consumers it is a favorite because of its crisp, tender, and altogether desirable eating qualities. Its habit of growing is vigorous, stalks are uniformly white, and large sized; as a seasonal variety it's a money-maker for the market-gardener.

SELECTED STOCK—Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; 2 oz., 75c; $\frac{1}{4}$ lb., \$1.35; lb., \$4.25.

Giant Pascal. The stalks are very large and solid, crisp and of rich nutty flavor. It blanches very easily and quickly. The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of keeping quality. It is certainly one of the best varieties owing to its splendid keeping quality and market-ability. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Garden-of-Eden, Fort Jones, Calif.

Wish to say we are delighted with your catalogs and that we receive better and quicker service from your store than any we have tried; also get much better results from the seed we buy from you. This is our fifth yearly order.

A. E. McBRIDE.



NEW CELERY GOLDEN PLUME

New Celery

Golden Plume

In our trials the last two seasons we have been much impressed with this new variety. A selection from or a cross with the Golden Self-Blanching, the stalks are short—the heart is large, with a protecting tuft of foliage in the middle. More vigorous than Golden Self-Blanching, it withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. It deserves a thorough trial.

Pkt., 20c; $\frac{1}{2}$ oz., \$1.25; oz., \$2.00; $\frac{1}{4}$ lb., \$6.00.

SWEET CORN is the home garden crop. Scientists say the sugar content of such a variety as Stowell's Evergreen is 5 per cent; and within thirty minutes after it has been picked, this percentage will begin to decrease through chemical action. Only the home gardener, therefore, can enjoy it at its best, this greatest of American table delicacies. Sweet Corn may be sown earlier than field corn. May 1st is usually safe in the latitude of New York and Chicago. Fertilizer will give a good start and an early harvest.

Our special strains of Sweet Corn include Bantam Evergreen, which is

HOWLING MOB. A large-eared fine second early corn. About the same season as Early Champion, ear slightly larger. The kernels are small in size, of delightful flavor. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

EARLY CROSBY. A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14-rowed, grains square, very white, sweet and tender. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

Emperor. A quality variety—almost in a class by itself for flavor and brittleness. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round (not moon-shaped). Bred especially for freedom from hollow stalks. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.50.

Easy Blanching. A recent introduction of merit. It is a vigorous grower, of medium dwarf height, stalks thick, quality excellent. A most desirable variety for the amateur. Second early. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00; lb., \$6.50.

SELECTED STRAIN—Especially for market gardeners. Pkt., 15c; $\frac{1}{2}$ oz., 65c; oz., \$1.25; $\frac{1}{4}$ lb., \$4.00; lb., \$15.00.

WINTER QUEEN. An excellent winter sort with double the amount of heart of any known celery. A beautiful plant of close habit and compact growth; crisp and has delicious nutty flavor. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.15; lb., \$3.75.

COLUMBIA. Season early. Plants are dwarf. Light golden heart of splendid flavor. Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 45c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.50.

FRENCH'S SUCCESS. A fine keeping Winter White Celery. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00; lb., \$6.50.

SOUP CELERY OR SMALLAGE. Green foliage used for soups. Oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.60.

OLD CELERY SEED. Used for flavoring. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

BOSTON MARKET. White and solid; very dwarf; crisp and tender. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 95c; 1 lb., \$3.25.

KALAMAZOO or Giant White Solid. A tall, heavy, solid and very white late variety. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

Can Know the True Flavor of Tenderest Sweet Corn

a large Golden Bantam, produced by crossing this variety with Stowell's Evergreen; Golden Bantam, a strain larger and earlier than others; Mammoth White Cory, especially selected for early maturity; Malakoff, the best variety for the Northern country, and Early Evergreen.

For the Home Garden—First early, Vaughan's Earliest; Golden Bantam, main early crop, with Bantam Evergreen next, followed by Stowell's Evergreen, Country Gentleman, Black Mexican or by successive plantings of Golden Bantam are recommended. A very fine quality early white corn is the Early Crosby, the New England favorite.

Country Gentleman.

Is a late main crop variety. The ears which are 7 to 9 inches long are borne on stalks 6 to 7 feet high. The grain is small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet.

Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.25.

IMPROVED EARLY CHAMPION. Cory." The ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The ears are medium, often three on stalk. Planted by many gardeners for both early and late. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

LATE MAMMOTH. Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

METROPOLITAN. Popular in Eastern States, season between Minnesota and Champion. Kernels have 10 to 12 rows, large and very sweet. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

ADAM'S EXTRA EARLY. Not sweet but early. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., \$1.75.

ADAM'S EARLY. Not sweet but early. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., \$1.75.

(Larger quantities than 10 lbs. of any kind on this page at 10-lb. rate.)

EARLY MINNESOTA. A favorite early, a few days later than Mammoth White Cory, ears have 8 to 10 rows of large white grains. Very productive. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

NARROW GRAINED EVERGREEN. A selection from the broad grained Evergreen in which the large-sized cob is retained with the kernels only half as wide as the Standard Sort. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

MALAKOFF. The Great Sweet Corn for the Northern States and Canada. It rarely exceeds 4 feet in height; the stalks usually average 2 ears each. The kernels are shallow and sweet. Grown on our Michigan farm Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

EARLY MAYFLOWER. In the New England States this is the earliest sweet corn of good size. In the Middle West it is not as early as Early Iowa White cob and kernels, larger than White Cory and ten days earlier. New England grown seed. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

Golden Bantam. Now the most popular of all first early Sweet Corns and planted in nearly every garden. Golden Bantam is about a week later in season than Cory or the first earlies. The ears are borne two to a stalk, and are about six inches in length with eight rows of kernels on a cob. We grow our seed of this sort on our own farms in Michigan. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

Vaughan's Bantam Evergreen. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained the quality of the Bantam and has the more tender skin of the Evergreen. Market gardeners are at least able to sell a merchantable sized ear of corn superior in quality to any on the market. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

Vaughan's Earliest. See Novelty Pages (6 and 7). Pkt., 25c; ½ lb., 50c; lb., 75c.

60-Day. See Novelty Pages (6 and 7). Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.50.

Golden 60-Day. See Novelty Pages (6 and 7). Pkt., 20c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00; 10 lbs., \$4.00.

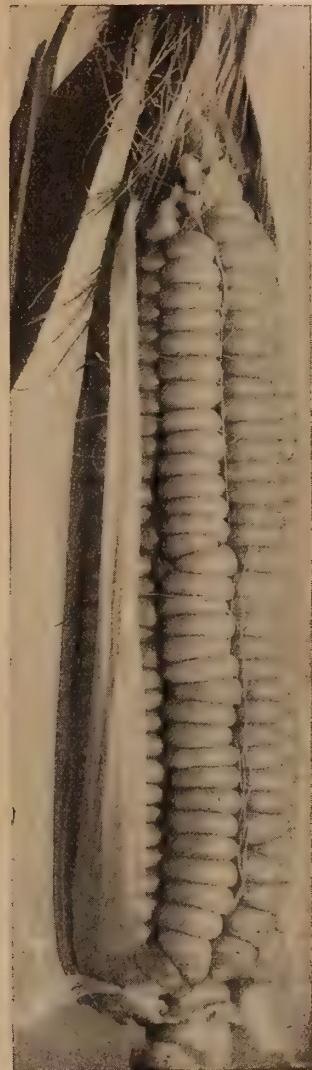
Two weeks later than "Mammoth White



STOWELL'S EVERGREEN



COUNTRY GENTLEMAN



GOLDEN BANTAM

BLACK MEXICAN. Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to ten-rowed; ears about 8 inches long; kernels bluish purple to black and rather flat. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

VAUGHAN'S BLACK SUGAR. This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this corn its quality is a revelation. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25. Any of the following per pkt., 10c.

KENDEL'S EARLY GIANT. Lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

EARLY MAMMOTH. Lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

WHITE EVERGREEN. Lb. 40c; 2 lbs., 75c; 10 lbs., \$2.50. (Larger quantities all Sweet Corns at 10-lb. rate.)

SWEET CORN FOR SUCCESSION. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season: Mammoth White Cory, Early Champion, Stowell's Evergreen. Offer No. C3X. 1 pk. each (3 kinds), 25c; prepaid.

EARLY EVERGREEN. Very large ears are characteristic of this sort. It is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller sort. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

Vegetables to Vary and Give Zest are Easily

BORECOLE—See Kale, p. 23.

BRUSSELS SPROUTS

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

LONG ISLAND IMPROVED

The most satisfactory Brussels Sprouts for American conditions; hardy, early, and a heavy yielder. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

PARIS MARKET

Half dwarf, excellent yielder. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

IMPROVED DWARF.

Dwarf habit and less liable to aphids than others.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but harder. Of value in Northern latitudes, where Cauliflower does not do well.

LARGE WHITE MAMMOTH.

Good white heads. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c.

PURPLE CAPE

This has purplish heads and resembles the Algiers Cauliflower in habit of growth. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c.

SPROUTING GREEN ITALIAN

—See Novelty

Page 6.



BRUSSELS SPROUTS



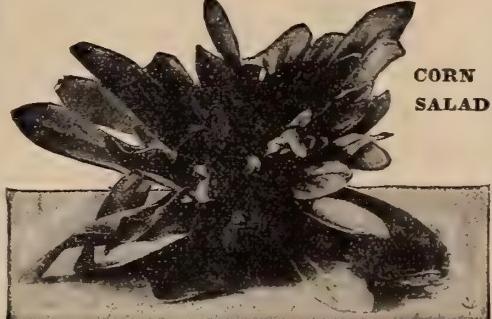
WITLOOF CHICORY

CORN SALAD—Field Salad

CORN SALAD. (Mache-Stick, Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

CORN SALAD



GARDEN CRESS OR PEPPER GRASS

CURLED GARDEN. Used with Lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.00.

UPLAND CRESS. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

WATER CRESS. (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water; it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.60.

DANDELION. (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens, is fast gaining favor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c.

Once a Vaughan customer always one. I have had such beautiful products in the five years I've planted only Vaughan's Seeds.

MRS. MARIE DONKLE,

Fort Atkinson, Wis.



LEEK

LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

BROAD SCOTCH or LONDON FLAG. Hardy; a strong plant, with broad leaves. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

ROUEN, LARGE WINTER. Large, excellent—best of all. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

LONG MEZIERES. One of the very best. Broad, vigorous, erect leaves, long good sized stem, snow-white; fine flavor, very hardy. Unsurpassed for market garden. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 80c.

BULGARIAN WINTER. A most desirable Leek, extremely hardy, enormous size. Pkt. 10c; oz., 35c.

CELERIAC—Turnip Rooted Celery

This vegetable deserves much wider cultivation, it has real merit. Cooked and prepared as a salad it is very desirable; it has a rich, meaty, distinct celery flavor. It may also be cooked as are turnips and parsnips. People who like celery flavor will approve Celeriac. The roots keep well in winter—recipes for preparing enclosed with seed.

LARGE SMOOTH PRAGUE. Excels in quality, size and appearance. Not like common sorts, which are often crooked and have a lot of useless roots. **Large Smooth Prague Celeriac** is the main crop variety, nearly globe-shape and almost twice the size of Erfurt. We have special selected strain with a minimum of rootlets.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c;

$\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

LARGE ERFURT. A standard.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz.,

50c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

CHICORY

Witloof (French Endive). A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Special strain. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 95c; lb., \$3.25.

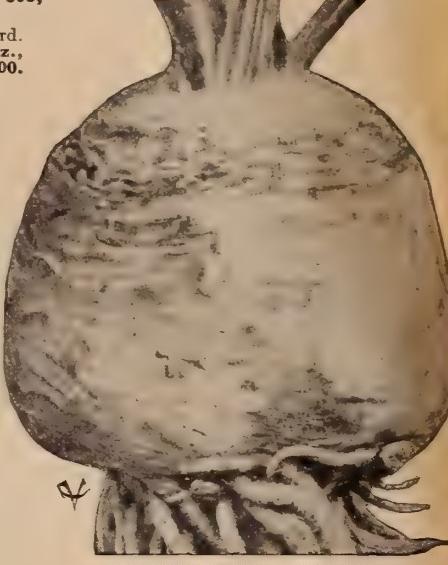
Roots of above, 3 for 40c, postpaid (with forcing directions up to April 1st).

Large Rooted Magdeburg.

Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.60.

CHIVES SEED. Used for seasoning. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.



CELERIAC—Giant Prague

CARDOON. Main stalks are blanched like Celery; used for salad or in soups.

Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

CHERVIL DOUBLE CURLLED. Similar to Parsley, handsome for garnishing. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c.

COLLARDS. A variety of cabbage used in Southern States. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

CHINESE VEGETABLES

LUFFA ACUTANGULA (Gourd Dishcloth). The fruit is eaten when young, cooked like squash or served in soups and stews. Pkt., 10c.

MOMORDICA CHARANTIA (Balsam Pear). The edible fruit is boiled before it is ripe. Pkt., 10c.

KOHLRABI

Sow in June or July, in rows, thin to 12 inches.

Bulbs grow above ground, are stripped and cooked like Turnips, but are much sweeter.

EARLY WHITE VIENNA. White and tender.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

EARLY PURPLE VIENNA. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

SHORT-LEAVED EARLY ERFURT. For forcing in open ground. White flesh, very tender, short leaves.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.25.

Sweeter
Than
Turnips



KOHL-RABI
White Vienna

to the Menu and Which Grown in the Home Garden

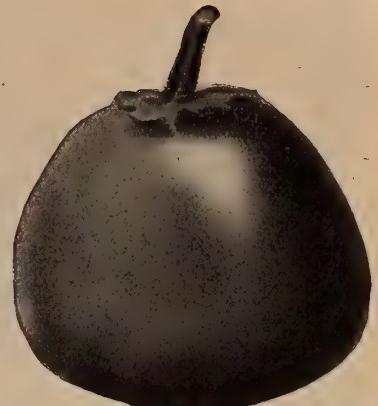
EGG PLANT VAUGHAN'S IMPROVED NEW YORK PURPLE

"**NEW YORK**" is the standard variety of this fine vegetable, and "Vaughan's Improved New York" is the highest type and most popular of that standard—entirely spineless. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Sow Vaughan's seed. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.50.

BLACK BEAUTY. Is 12 days earlier than New York; for Northern home gardens and truckers it is most desirable. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre—very attractive and popular. Plant Vaughan's seed.

Pkt., 10c; oz., 60c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

NEAPOLITAN. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c.



BLACK BEAUTY—An Early variety, suitable for Northern planting

ENDIVE

CHICORY ENDIVE. A delightful autumn and winter salad. Sow seed from middle of June to the end of August.

GREEN CURLED SUMMER. Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

GREEN CURLED WINTER. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

GIANT FRINGED. Most beautiful snow-white heart, fine delicate green fringe.
Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

MOSS CURLED. Fine sort.
Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

EVER WHITE CURLED. Very crisp.
Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

BROAD-LEAVED WHITE or ESCAROLLE. Slightly curled. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

GARLIC SELECTED BAVARIAN

Lb., 30c; 10 lbs., \$2.00. Postage extra.
Write for latest market prices on quantities.

HORSE RADISH SETS

ORDINARY HORSE RADISH. Roots produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 inches under soil. 100, \$2.00; 500, \$8.00; 1000, \$15.00.

VAUGHAN'S IMP'D NEW YORK PURPLE EGG PLANT

HORSE RADISH, Bohemian. Earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. Sets or Roots, per doz., 75c, postpaid; by express, 50 for \$1.60; 100 for \$3.00; 1000 for \$25.00.

KALE OR BORECOLE

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to $2\frac{1}{2}$ feet apart. Dwarf sort can be sown later.

DWARF GREEN CURLED KALE. Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. By far the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

TALL GREEN CURLED. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35.

SIBERIAN. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

SEA KALE

Ready for use earlier than Asparagus, and combines flavor of that and Celery. Its blanched stalks are cooked like Asparagus or the leaves used as greens. Sea

Kale comes usually from seed, but can be grown from offsets or root cuttings. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. As soon as shoots show above the ground, blanch with earth, boards, sand, etc., until ready for use. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

VAUGHAN'S EXCELSIOR MOSS CURLED KALE

the ground, blanch with earth, boards, sand, etc., until ready for use. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.



GREEN CURLED ENDIVE



MUSTARD

Leaves useful as salad or boiled like Spinach.

GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 75c.

IMPROVED OSTRICH PLUME (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

WHITE, Good for general use. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 65c.

MARTYNIA—For Pickles

The young and tender seed pods make a very fancy pickle. Gathered when less than half grown. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

OKRA

Okra pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

WHITE VELVET. Produces pods larger than any other. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

TALL OR PERKINS MAMMOTH. The long pods, measuring 4 and 5 inches, are produced in great quantities. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

DWARF. Grows low but stocky and is very productive. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

RHUBARB

VAUGHAN'S MAMMOTH. Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide.

Price of Seed per pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

LINNAEUS. Seed, per pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

GOLIATH. A popular red strain. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

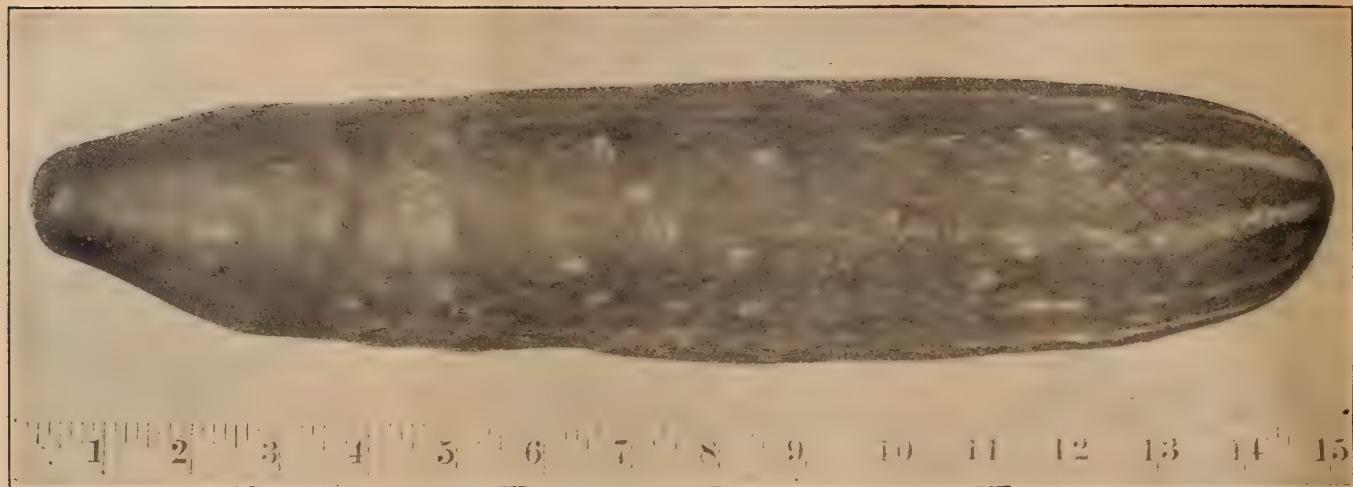
CHICAGO GIANT. This dwarf Rhubarb is bred for large stalks and small leaves. Pkts. only, 15c. Roots, divided clumps, 50c each.

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following year. If to go by mail allow for postage, 1-year, 1 lb.; 2-year, 1½ lbs.; 3-year, 2 lbs. See page 120 for zone postage rates.

1-year, each, 25c; 3 for 45c; 10 for \$1.30. 2-year, each, 30c; 3 for 75c; 10 for \$2.25. 3-year, each, 50c; 3 for \$1.35; 10 for \$4.00.

CUCUMBERS

For Salads and Pickles Table Quality—



TYPICAL FRUIT OF THE VAUGHAN CUCUMBER

CUCUMBERS are close relatives of melons but mature in about sixty days and may be brought to maturity with little trouble in the home garden. The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants by liberal applications of Slug Shot, powdered arsenate of lead or tobacco dust. The under sides of the leaves must be sprayed with nicotine to kill aphids.

For the Home Garden—The Vaughan is the finest table cucumber for the home garden. A pickling variety, should be grown for pickles.

Cucumber, Early Fortune.

An especially fine, medium length White Spine Cucumber much planted in the South for shipment to the Northern markets. It has a fine, dark green color which it holds for a long time after picking.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Vaughan's Improved Arlington White Spine.

Is early, heavy yielder; it is a beautifully symmetrical, straight type cucumber, 7-10 inches long. Throughout its entire length, the skin is an attractive, glossy dark green; the flesh firm but tender, with delicious flavor; these surpassing qualities have made it a great favorite. In the Southern country it is a universally planted sort and Vaughan's strain of Improved Arlington White Spine is the standard for both home and market gardens.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

Davis Perfect.

Fine length, slimness, beautiful dark green color, trans-parent-like flesh with deliciously cool, refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra long white spine cucumbers. For indoor, and outdoor planting it is most popular. Its extremely vigorous growth, makes it the best blight resister of the long sorts.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.25.

Improved Long Green.

Vaughan's strain of "Long Green," is a selection. The vines of our strain are very vigorous, and productive; the fruit (12 inches long) is formed almost as early as on the short sorts. As a cucumber of the "black spine" variety, for slicing and for pickles, this is one of the very best. The flesh is very firm and crisp and has a distinctive fine flavor, quite its own; they make excellent pickles, and when yellow and ripe the best sweet pickles. The fine, dark green color, the size, shape, crispness, and flavor, make this the best of the "black spine" varieties.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.25.

EXTRA LONG WHITE SPINE.

A great blight resister. It is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8-12 inches long; with superbly flavored, tender, crisp flesh. It is early, vigorous and prolific. Select Stock. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

EARLY CYCLONE.

3 to 4 inches long, earliest of the white spines; prolific. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

IMPROVED WHITE SPINE.

Medium size, straight, always fine yielder; light green. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

DAVIS PERFECT CUCUMBER
Less Than Half Natural Size

NEW CUCUMBER—"The Vaughan."

This is as much in advance over the old extra Long White Spine sorts. Compared to the other (Long White Spine varieties) it is much darker in color, more uniform in shape and size thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Our customers who grow it have greenhouse cucumbers raised outdoors. J. C. Robinson of Waterloo, Nebraska, writes: "We have tried the Vaughan Cucumber out for two years in our trials. It certainly will displace most other kinds, in our opinion." Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.



Cucumber, Earliest of All. A fair size, dark green White Spine. The earliest of good quality we have tried, of especial value in localities where blight prevents the maturing of the late and longer sorts; also of value in the South for first crop. Home gardeners who wish to have the first cucumbers in their neighborhood should try this variety.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

COOL AND CRISP. Fine for slicing. Early, prolific, and covered with knobs, and black spines on dark green skin—makes handsome pickles. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

FORDHOOK FAMOUS—White Spine. As long as "Davis," slightly bent, but very handsome, twelve to fifteen inches. Quality superb. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

NICHOLS MEDIUM GREEN. Early, medium size, straight, smooth, dark green, good flavor, for pickling and slicing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

ODD CUCUMBERS

JAPANESE CLIMBING. Grows quickly on poles or trellis, especially good for slicing and salads. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

LEMON CUCUMBER. Not the same as the Garden Lemon, though similar in appearance. It is a real luscious flavored cucumber, a worthy addition to the list. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.00.

SERPENT OR SNAKE. A curious, usually much twisted cucumber. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

ROCKY FORD (Klondyke). White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper and shipper. Good dark green color. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

NEW CENTURY. A fine strain of long white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

EMERALD. Smooth, almost spineless, dark green, which it retains well, fine for slicing. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

Audubon, Iowa, May 20, 1926.
Vaughan Seed Co., Chicago, Ill.

Dear Sirs: Please send me two packages of The Vaughan Cucumber Seed. They without doubt excel any cucumber I ever saw, and are a general purpose cucumber. They are A-1 for slicing and second to none for Dills.

H. C. ROGERS, M.D.C.

of the Very Finest Grow Your Own

CUCUMBERS

Westerfield's Chicago Pickle. Since we first introduced this pickle years ago, it has been a distinguished success; it secures the highest market price because of its known splendid qualities, that meet the most exacting condition of critical pickle makers, who supply fancy and highest priced goods to the market. The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great pride with us; and so, the fine pickle makers throughout the country willingly pay the higher price it is necessary for us to get for our selected seed. When ripe the fruit is medium size, pointed at both ends, has large prominent black spines.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

Improved Jersey Pickle. This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end while in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. Plant Vaughan's Seed.

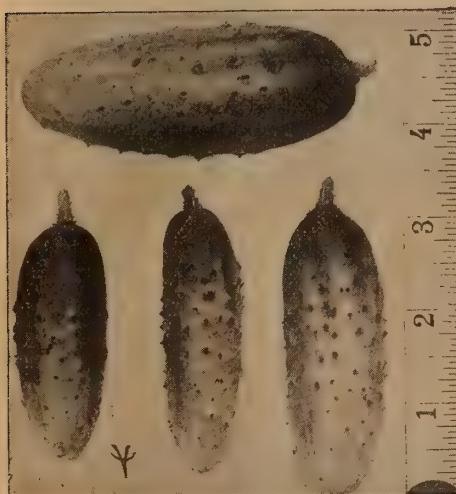
Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

Snow's Fancy Pickling. This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the West. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

The Cumberland Pickle. This is a variety of the White Spine type. Very hardy and a strong rapid grower, and gives a very prolific yield. The pickles differ from all other hardy sort, being thick set with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. Excellent for pickles and slicing.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.



WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Extra Early Green Prolific or Boston Pickling	10c	15c	45c	\$1.40
Early Cluster	10c	15c	45c	1.40
Early Frame or Short Green	10c	15c	45c	1.40

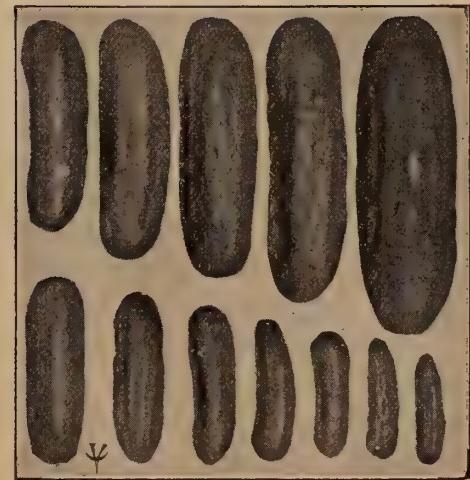
English Frame Cucumbers

ROLLISON'S TELEGRAPH. English greenhouse grown, Pkt. 25c.

VAUGHAN'S CUCUMBER

SPECIALTIES

The Vaughan, Vaughan's Improved Long Green, Westerfield's Chicago Pickle, Snow's Fancy Pickling.



Herbs for the Garden

Their Flavors Will Delight the Family

ANISE. Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 35c.

***BALM.** Used for making Balm wine and tea. Pkt., 10c; oz., 35c.

BASIL, Sweet. The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 10c; oz., 35c.

BENE. The leaves immersed in water make a drink very beneficial in cases of dysentery. Pkt., 10c; oz., 35c.

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; oz., 35c.

CARAWAY. Seeds are used for flavoring. Pkt., 10c; oz., 25c.

CATNIP OR CATMINT. Grown for bees, also for seasoning. Pkt., 15c; $\frac{1}{2}$ oz., 75c.

CHAMOMILE (MATRICARIA CHAMOMILLA). The dried flowers possess medicinal qualities. Prescribed as an emetic and vermifuge. Pkt., 15c; $\frac{1}{2}$ oz., 45c.

CORIANDER. The seeds are used for flavoring. Pkt., 10c; oz., 25c.

DILL. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

FENNEL, Florence. An excellent legume with agreeable aromatic flavor, sweet taste and a delicate odor. Very distinct from Sweet Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c

***FENNEL, Sweet.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 25c.

HENBANE. The growing plants are said to absorb malaria germs. Pkt., 10c; oz., 60c.

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; oz., 50c.

HYSSOP. The tops and flowers are used for Hyssop tea. Pkt., 10c; oz., 30c.

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in making perfumes. Two kinds.

Lavender (*Lavandula vera*). True Lavender. Pkt., 10c; oz., 75c. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

Lavender (*Lavandula spica*). Not quite so strong as above. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 10c; oz., 50c.

MINT. For mint sauce and juleps. Strong pot plants Price, 3 for 65c; doz., \$2.50.

By mail, add 5c each; doz., 20c.

PENNYROYAL. Leaves are used for seasoning. It also has medicinal properties Pkt., 10c; $\frac{1}{2}$ oz., 50c.

PEPPERMINT. The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. Pkt., 25c.

PIMPINELLA (Burnet). The young leaves are used as salad; their flavor resembles cucumbers. Pkt., 10c; oz., 30c.

ROSEMARY. The leaves are used for seasoning. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

***ROSE.** For medical purposes; good for roup in fowls. Pkt., 10c; oz., 60c.

SAFFRON. Used for coloring and for flavoring. Pkt., 10c; oz., 45c.

SAGE (Holt's Mammoth). The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter; are perfectly hardy and make a still larger growth the second season. Plants, 3 for 65c; 12 for \$2.50; 100, \$12.00. By mail, add 5c each; doz., 20c.

SAGE SEED. Leaves and tops are used for seasoning and stuffing. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

SUMMER SAVORY. The leaves and young shoots are used for flavoring, especially for boiled string-beans. Pkt., 10c; oz., 30c.

WINTER SAVORY. Leaves for seasoning Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

TAGETES LUCIDA. Possesses in its green parts almost exactly the true Tarragon flavor; of easiest culture. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 50c.

***TARRAGON (Artemisia Dracunculus).** The leaves, dried or fresh, are steeped in ordinary vinegar. Plants only. Plants, 3 for 85c; doz., \$2.50. By mail, add 5c each; doz., 20c.

THYME. Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 60c.

WOODRUFF or WALDMEISTER (*Asperula odorata*). Used in May Wine and also for perfuming clothes. Pkt., 10c.

***WORMWOOD.** Beneficial for poultry; plant in your poultry yard. Pkt., 10c; oz., 30c.

Varieties preceded by (*) are perennials.



SWEET MARJORAM
(Marjoram, Marjolain)

An Everyday Table Need the Home Garden Can Fill

LETTUCE has become a year-round necessity on our tables, with the discovery of vitamines and the part they play in maintaining good health. It is a crop with which the home gardener may excel as he supplies the few essentials. Leaf lettuce may be grown satisfactorily in almost any soil, and since it may be eaten with relish long before it has matured, it usually supplies the first salad of the year from the garden. Head lettuce is more difficult, but success is sure if it be started indoors, so that plants may be set out at the time leaf lettuce is sown in the open ground; always provided that the head lettuce have a rich, quick soil; that is, one which is light and warm, and very heavily manured. Water is also essential to the rapid and uninterrupted growth which produces good cabbage heads. The butter head types are best for early, and the crisp heads, such as New York, Iceberg and Mignonette for the warmer weather.

For the Home Garden—All Seasons and Hanson of the butter heads; Iceberg and Mignonette of the crisp heads, and Black Seeded Simpson and Prizehead of the leaf lettuces are recommended, with any of the Cos varieties, which will often succeed where the cabbage heads fail.

Vaughan's All Seasons. In 1879 we introduced this distinctive

variety. It immediately leaped into popular favor, in which it has gained through all the years, and is today an unapproachable favorite. Heads are large, solid and handsome, almost as large as Flat Dutch Cabbage; leaves are grayish green, never spotted or brown; they are broad and thick and have decided buttery flavor, embodying all in the term excellent; the inner leaves blanch beautifully. This sort is a sure header and slow to run to seed.



Pkt., 10c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 65c; lb., \$2.00

Improved Hanson. The most reliable header for home garden. On all markets—a well known, highly approved lettuce. Globe-shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Vaughan's Big Boston (for the South). With Southern gardeners who ship North, many of whom plant Vaughan's seed exclusively, this is considered the best early large heading sort. North, a valuable first early. Large heads of bright green leaves which are very tender. One of the very best for forcing. Seed provided especially for us same as Simpson.

VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

California Cream Butter. One of the best summer varieties. Heads good size and solid. Beautiful appearance, buttery flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.65.

New York or Wonderful. This is the largest of all head lettuce, forming crisp heads often weighing two pounds. It matures slowly, first forming a conical head which becomes globular with maturity. It is of excellent quality, very sweet, and stands the hot weather well. Because of its size plenty of room must be given between plants. This variety is known in some sections as Los Angeles. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity time is 40 to 50 days.

Always buy Vaughan's Selected Stock. Type, quality and germination of the seed make it really cheaper.

IMPROVED

HANSON



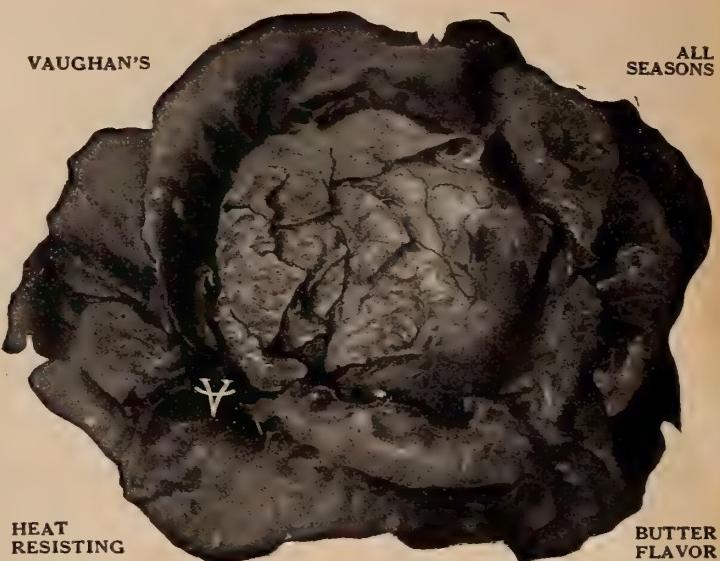
MID-SUMMER

HEAT RESISTING

Head, Romaine,

VAUGHAN'S

ALL SEASONS



HEAT RESISTING

BUTTER FLAVOR

MAY KING. A very early heading variety. This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

WAYAHEAD. Very early head lettuce, in season about time of "May King." Is larger than May King. The head is of golden yellow, and the outer leaves light green. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

UNRIValed. A light green strain of Big Boston. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.25.

PERPIGNAN OR SUMMER DEFiance. Excels for long standing. Resists heat better than most others. Heads are large, firm and solid. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

MAXIMUM OR IMMENSITY. A wonderful heat resister. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center; splendid quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

BLACK SEEDED BIG BOSTON. An improved shipping strain of the Big Boston. Leaves are slightly smaller; sometimes heads harder, does not rot as quickly in cold, rainy weather. In great demand in large Southern lettuce sections. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

TENNIS BALL. Black Seeded. One of best standard sorts. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

TENNIS BALL. White Seeded. (Boston Market.) A good forcer. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

WHITE SUMMER CABBAGE. Green, very hardy, popular. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

A PRIZE FOR POULTRY-KEEPERS

New Chicken Lettuce.

Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

LETTUCE SEED IMPROVEMENT. In recent years great progress has been made in the improvement by the selection and breeding of our strains of lettuce. Practically all of our varieties are now the progeny of one original "perfect" plant of the individual variety. The result is great uniformity and freedom from "rogues" or "off" plants.

Leaf Lettuce

LEAF LETTUCE

Grand Rapids. Vaughan's selected stock. A home garden favorite, extensively planted for market. Grand Rapids Lettuce for hotbed or greenhouse growing, is a curly leaved lettuce of great popularity because of exceptional merit. The leaves develop very quickly and its upright habit, requiring little room in the bed, permits close planting. Grand Rapids Lettuce has elegant appearance, is an excellent keeper and a splendid shipper. The leaves are a beautiful green, daintily curled, tender and crisp. The flavor is sweet and delicious. This lettuce secures many buyers, and makes profit for the market growers who plant it, and in the home garden it produces continuous satisfaction. Through trials and re-selections we secure seed for our customers of the most perfect type.

VAUGHAN'S EXTRA SELECTED STOCK—Pkt., 15c; oz., 25c; 2 oz., 40c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

STANDARD STOCK—Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Black Seeded Simpson.

Seed of this important sort is grown for us with special care. We supply many

gardeners who make their living as lettuce growers.

Black Seeded Simpson Lettuce is always reliable and easily grown. The leaves grow large, the inner ones forming a semi-compact head; they are a handsome green beautifully crumpled, have fine quality, being tender, crisp and sweet flavored. This sort may be grown under glass, in cold-frame or open ground. It is unsurpassed as a heat resister, and is especially adapted to amateur gardeners, who may be unsuccessful in growing head lettuce. Its fine appearance makes it a success on the market, and in the home garden.

VAUGHAN'S SELECTED STOCK—Saved from extra selected plants. Pkt., 10c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 65c; lb., \$1.75.

STANDARD STOCK—Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

PRIZEHEAD. Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender, splendid for home garden. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

DENVER MARKET FORCING.

Early; forms loose head of good size; leaves light green, handsomely marked, and blisters like Savoy Cabbage; very crisp and tender, a forcing or open ground sort. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.



COS LETTUCE

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Many esteem this the finest of lettuces in flavor, and it is a salad of the highest quality. Home gardeners who have difficulty growing the cabbage heads will be well advised to turn to Romaine.

Express Cos. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

Paris White Cos. Grows to large size. Self-closing. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

Trianon Cos. Similar to above, but grows whiter and matures earlier. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

Select a Type That Fits Your Climate and Season

GRAND RAPIDS



EARLY CURLED SILESIA. A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curled edges; an old favorite. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

EARLY CURLED SIMPSON. White seeded, similar to Early Curled Silesia—one of the best leaf lettuces. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

Mushroom Spawn

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We print and give FREE with orders for our Mushroom Spawn, a leaflet, "How to Grow Mushrooms." We supply the highest quality of Mushroom Spawn to the largest commercial "caves" in the country, both from our Chicago and New York stores.

LAMBERT'S NEW PROCESS SPORE CULTURE SPAWN. In this new Spore Culture spawn which has been developed in France and is now produced in America, a more vigorous and a more prolific spawn is claimed. Not only that, but types have been more definitely fixed and absolute uniformity secured. Price, Brick (weight 1 lb.), 35c; 5 bricks, \$1.50; 10 bricks, \$2.75; 25 bricks, \$5.50; 100 bricks, \$20.00.

No. 7 BROWN (Bohemian). A good producer of heavy mushrooms.

No. 8 CREAM WHITE. A mammoth strain.

No. 9 WHITE (Alaska). Popular market variety.

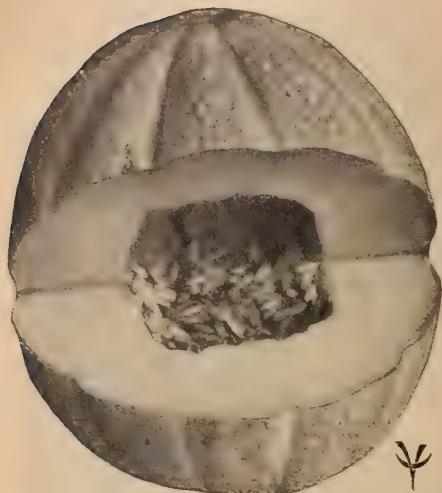
BOTTLE SPAWN for Commercial Growers. Per bottle, \$1.35; per carton, 12 bottles, \$12.00.

ENGLISH MUSHROOM SPAWN. Our English Mushroom Spawn manufacturer is the oldest established and most extensive grower in the world. The superiority of this over all other importations is well known by experienced mushroom growers. We are the largest importers in the U. S., receiving 8 to 12 shipments annually; this spawn is carefully made from perfectly grown specimens. It comes in the form of pressed bricks. Prices (weight per brick, about 1 lb.), brick, 25c; 2 bricks, 40c; 8 bricks, \$1.40; 25 bricks, \$3.25; 100 bricks, \$12.00; if shipped from New York, per 100 bricks, \$11.50.



THE PRODUCT OF LAMBERT'S NEW PROCESS
"SPORE CULTURE" SPAWN

Muskmelons Can be Grown from Rio Grande; and



MILWAUKEE MARKET

Vaughan's Hoodoo or Hearts of Gold

Introducer's Strain. The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. Quality—fine grained, not stringy and of the sweetest flavor. Size and shape—just right, so it may be served cut in halves. Flesh and Color—deep orange, extremely thick. As a Slipper—uniform, like "peas in a pod." Netting is ideal, heavy and close. Prolific and uniform, produces well under favorable conditions and withstands blight better than most varieties.

HOODOO melons from Michigan points bring highest market prices in competition with the whole United States.

SELECT STOCK—Pkt., 10c; oz., 25c; 2 oz., 45c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

STANDARD STOCK—Pkt., 10c; oz., 20c; 2 oz., 30c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

EARLY KNIGHT or Sweet Air. Very popular around Washington, Baltimore and Philadelphia. Being a green-fleshed melon of superior flavor and correct size, is well suited to that region, and commands the highest market price. It is 5 to 6 inches across and 7 to 8 inches long. The netting is good and, crated, stand long-distance shipping. The flesh is thick, color dark green blending to light pink near the center. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

MONTRÉAL MARKET NUTMEG. The largest of the nutmeg varieties. This melon is extensively raised near Montreal, being sown and grown in cold frames until ready to set out. Skin is dark green, flesh green. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

GARDEN LEMON. Fruit nearly round, with yellow and green markings, skin smooth, flesh tender, sweet melon flavor. Price, pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

FORCING MELONS

Highest Table Quality. Suitable for Greenhouse Growing:

BLENHEIM ORANGE. Scarlet flesh.

DIAMOND JUBILEE. Green flesh.

RINGLEADER. Green flesh.

SMITH'S IMPROVED EMERALD

GEM FORCING. Salmon flesh.

Price of each pkt., 25c.

MELONS are a long season crop requiring for their best development a sandy soil which quickly warms up, a season of 90 to 100 days growing weather, hot sun and ample irrigation. Though these conditions are best found in irrigated sections of the West, there is practically no region in the United States in which some variety cannot be successfully grown. The list offered on these pages includes all varieties of merit, and is so complete that gardeners living in every section of the country may find here a variety with which they can succeed. Seed must not be sown until the ground is warm, and in the North it will pay to start the seed in a hothed or indoors in paper pots or in a piece of thick turf. Plant in hills, allowing ample room, and thin out the plants to four in a hill when they begin to vine. The cucumber beetle may be kept off with Slug Shot or Pyrox and aphid must be killed with a nicotine spray.

For the Home Garden.—The varieties which are known to succeed in your locality are recommended, as many conditions enter into success with melons. Milwaukee Market is especially valuable for the home garden, growing to a large size and possessing table quality which few melons equal. The Osage type is usually easier to grow than the Gem type for an amateur.

Vaughan's Milwaukee Market.

This seed grown by ourselves in Michigan. (See illustration.) It originated as a cross between the old Surprise and a Gem melon. For a fine home melon and a market-wagon variety it has no superior. The skin is light green, fruits nearly round with slight sutures, flesh salmon, wonderfully sweet, with almost no stringiness. Every home gardener who can grow muskmelons should plant this. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.



Rittenhouse Special.

The Rittenhouse Special is a medium large oval melon, pink flesh; having very fine grain, with a distinctly spicy flavor. The melon acquires its sweet flavor some time before it comes to full maturity and retains its firmness quite a little while after. Season medium to early. Pkt., 20c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Vaughan's Original Osage.

In heavy soils, where other sorts like Rocky Ford produce inferior fruits, Osage does well; in sandy soil it is at home and a money-maker for growers. Seldom, indeed, is there a poor quality Osage; it holds its own rich flavor

much longer than other sorts, and best of all the red-fleshed. As the introducers we pride ourselves in maintaining its uniform quality for our old-time customers.

SELECTED STOCK—Pkt., 10c; oz., 25c; 2 oz., 45c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

STANDARD STOCK—Pkt., 10c; oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.



Special Shipping Osage. Melon will stand several hundred miles without breaking down. Identical in quality with Osage, although smaller. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.25.

Vaughan's Extra Early Osage.

Not as large as Vaughan's Original Osage, but at least ten days earlier and of equal quality.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Vaughan's Paul Rose.

This is another melon introduction of Vaughan's Seed Store, and fills every requirement a first-class melon should have. Paul Rose is the result of crossing Osage and Rocky Ford, an exceptional combination of melon qualities. It is an ideal marketing melon, and does not break down in shipping. In season it is 10 days earlier than Osage.

SELECTED STOCK—Pkt., 10c; oz., 25c; 2 oz., 40c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

STANDARD STOCK—Pkt., 10c; oz., 20c; 2 oz., 30c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.



HOODOO OR HEARTS OF GOLD

IMPROVED JENNY LIND.

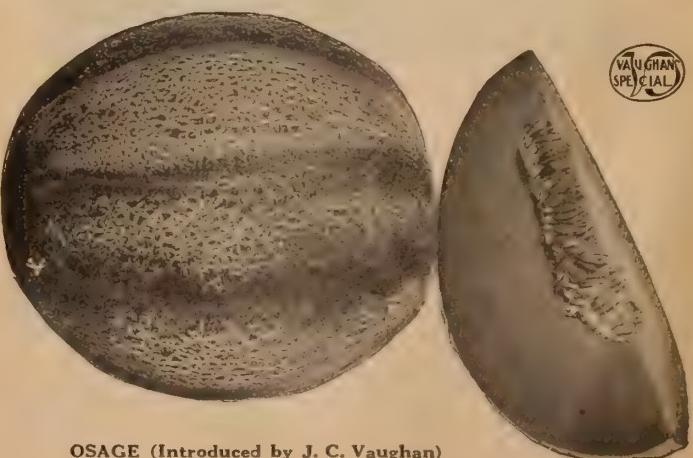
Vaughan's Selected Stock. Rind thick at ends, which are flattened and are not easily broken when crated, or basket-packed for shipment. The quality of its yellowish green flesh is unsurpassed. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

MANGO MELON OR VEGETABLE PEACH. Orange shaped, golden yellow flesh. Makes splendid mangos, stuffed like Peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 20c; 2 oz., 30c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

TIP TOP. A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow-fleshed melon of the very best quality. It is sweet, juicy, of finest flavor, edible to the very rind. A strong grower, and heavy yielder. Selected Stock: Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

BANANA. Cucumber shape. Delicious odor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

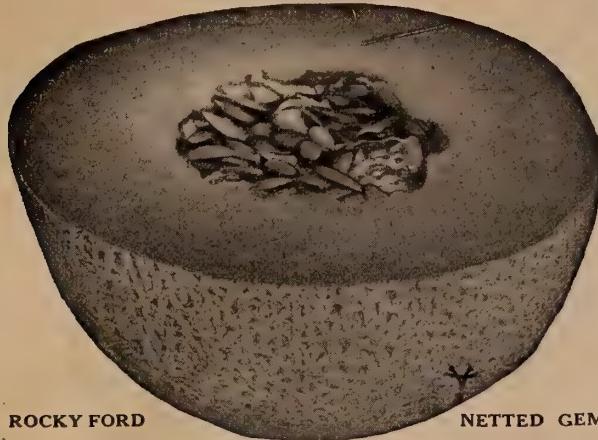
Melon, Honey Dew. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. The skin is perfectly smooth, of a delicate yellow color with incidental warts in scattered fashion. The rind is thin but very firm, the flesh is very thick and the color blends from a near white at the rind to emerald green at the seed cavity which is of medium capacity. The flesh is very sweet and juicy and possesses a peculiar honey flavor. In short season localities it should be started on sods in the hotbed, as it is several weeks later than the Rocky Ford. Honey Dew is best when quite ripe. Store a few days after picking. Pkt., 10c; oz., 20c; 2 oz., 30c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.



OSAGE (Introduced by J. C. Vaughan)

Canada to the
We Also Have

Watermelons



ROCKY FORD

NETTED GEM

THE ROCKY FORD TYPE

Rocky Ford Netted Gem. Of the green muskmelons Rocky Ford is the recognized standard of excellence.

To secure the real high-class quality possible to produce in this melon, it is necessary to have seed saved from choicest specimen melons only. We offer two grades of seed: Vaughan's Selected Stock which is saved from specimens of the highest class market melons—since "like produces like"—and Standard Stock saved from field-run melons from a crop in which all rogues, or untrue vines, have been discarded.

Picture at top shows specimen grown from Vaughan's Selected Stock. Note the small seed cavity and thickness of flesh. Our strain is the popular gold-lined tint.

VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.
STANDARD STOCK—Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

New Cantaloupe. "Edwards Perfecto." "Salmon-colored Rocky Ford." The Perfecto has the deepest flesh, smallest seed cavity and more salmon color than any type of Rocky Ford shipping melon. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50. (Large growers write for quantity prices.)

New Muskmelon Pollock, 10-25. Salmon tint. Very uniform in highest quality; vigorous and early. Cuts with a golden center shading to a green at the rind. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

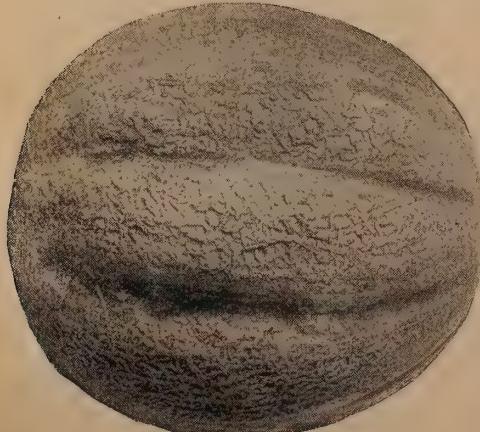
EXTRA EARLY VARIETIES

New Cantaloupe, Oka. This is a variety from Canada, of Hackensack and Banana—pink flesh and small seed cavity. It was originated by Rev. Father Athanase, of the Trappist Monastery at LaTrappe, Quebec. It is recommended to home gardeners as a short season melon of excellent quality. Pkt., 20c; $\frac{1}{2}$ oz., 35c; oz., 60c.

New Melon, Golden Champlain. It is well netted, grows to a good size, is thick fleshed and very sweet. It is recommended for latitudes where seed must be sown after May 15, and a harvest is desired in August. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Bender's Surprise. This new melon is a large thick-fleshed, heavily netted fruit somewhat resembling our Milwaukee Market. Its flavor is wonderfully sweet with almost no stringiness. It matures early and is an excellent home garden variety. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

EXTRA EARLY HACKENSACK. Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.



BENDER'S SURPRISE

VAUGHAN'S OSAGE GEM. A real gem with salmon-colored delicious flesh. The skin is heavily netted like the Rocky Ford and the luscious salmon-colored flesh is of the highest quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

EMERALD GEM. The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon, Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

WATERMELONS may be grown under favorable conditions in the North though it requires 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines, and use only hand tools in cultivation.

Cole's Early. The Northern States' favorite. As an early melon it is the standard of high quality; in sugary delicious crispness, flavor and melting tenderness, it is the top-notcher. It is oblong-shaped, about 20 inches long, 12 inches through; skin mottled green, thin brittle rind, therefore a good shipper. The flesh is rich and deliciously sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.15; 5 lbs., \$4.50.

This is an old established variety. In its culture excellent qualities for which it has become famous. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

Sweet Siberian. A very early variety of Russian origin. The melon is dark, of medium size, with yellow flesh of superb quality. Gardeners in the North will find the Siberian a treasure. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.00.

New Chilian. Attractive, of medium size, nearly round, skin deep green, faintly mottled and striped, stripe of brighter shade. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Irish Grey. A mottled greenish grey, every melon very distinct. A fine shipper and the equal of any in sweetness and quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.25; 5 lbs., \$5.00.



KLECKLEY SWEETS

Tom Watson. There's delicious sweetness in every bite. The flesh is rich red, crisp and tenderly melting. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.15; 5 lbs., \$4.50.

SWEETHEART. Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.15.

VAUGHAN'S BLACK DIAMOND. Very large, prolific, medium early, dark green skin, red flesh, blunt oval shape, fine shipper. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.15.

CITRON. For preserves. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.15.

HARRIS EARLIEST. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.15.

OTHER GOOD WATERMELONS The following varieties are especially adapted to conditions in certain parts of the country. Ask market growers in your neighborhood for recommendation.

EARLY FORDHOOK.

CUBAN QUEEN.

ICE CREAM OR PEERLESS.

McIVER'S WONDERFUL SUGAR.

RATTLESNAKE OR GYPSY STRIPED.

TRIUMPH.

FLORIDA FAVORITE.

ICEBERG.

MOUNTAIN SWEET.

PHINNEY'S IMPROVED.

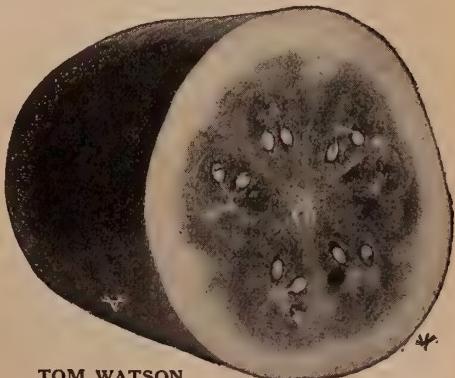
Any of above: Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.15.

HALBERT HONEY. A variety somewhat similar to Kleckley Sweets—of much darker color. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

ALABAMA SWEETS. A Southern favorite. Oblong in shape, dark green skin, the seed is white. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.15.; 5 lbs., \$4.50.

Winter Watermelon

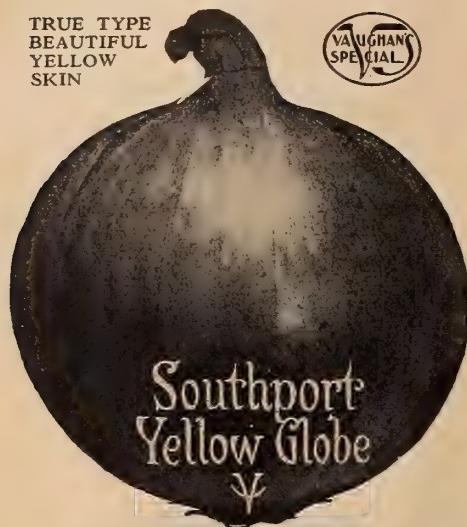
Also called "Honey Dew." This is an exceptional melon for fine keeping quality; put in a cool place it keeps long into the winter and retains its delicious sweetness and flavor. Pkt., 10c; oz., 20c; 2 oz., 30c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.



TOM WATSON

Onion Plants, Sets and Seeds

TRUE TYPE
BEAUTIFUL
YELLOW
SKIN



Southport
Yellow Globe

Ohio Yellow Globe.

Another of Vaughan's success-winning, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outclasses the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite with all growers.

CALIFORNIA GROWN SEED—High vitality. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.25; by express over 5 lbs., per lb., \$1.90.



Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you back yard Bermudas with little trouble.

EBENEZER



Vaughan's Ideal White Globe.

A strikingly handsome onion; expert market growers recommend it in the highest terms. This is a very early type, it ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white Vaughan high merit onion. Market growers have been our constant, satisfied customers, for this onion for many years.

EASTERN GROWN SEED—Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.15; lb., \$4.25.

CALIFORNIA GROWN SEED—Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10; lb., \$4.00; by express over 5 lbs., per lb., \$3.75.

Japanese or Ebenezer. There has been a tremendous demand for this yellow skinned Onion the past few years, especially for the growing of Onion Sets. Japanese Onion Sets produce a much larger tonnage of marketable Onions than does the old Strasburg or Danvers. Moreover, a smaller per cent of the sets run to seed with consequent damage to the large Onions produced. As a large Onion Ebenezer is a fine keeper, mild and well flavored.

Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50; by express over 5 lbs., per lb., \$3.25.

Vaughan's Special Yellow Globe. ("MOUNTAIN DANVERS). We stake our reputation on this one. An early Yellow Globe introduced by us into the Chicago section recently. Slightly smaller than Southport. It produces a fine market onion. In some seasons early aphis damages the late onion crop but does not harm this variety due to early maturity. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50; by express over 5 lbs., per lb., \$2.00.



Vaughan's Special Red Globe.

Same shape, size and price as above but red.

EARLY WHITE WELSH ONION. The best kind for green onions, forms no bulb. Plants can be propagated from seeds or divisions. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

Onion Sets and Plants

THE first home garden harvest in the spring is young onions from sets. If perennial sets are planted in the fall, a crop is reaped long before the first outdoor seeds have sprouted. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

WHITE BOTTOMS. Pt., 25c; qt., 40c; $\frac{1}{2}$ pk., \$1.00; pk., \$1.75.

YELLOW BOTTOMS. Pt., 15c; qt., 25c; $\frac{1}{2}$ pk., 80c; pk., \$1.35.

RED BOTTOMS. Pt., 15c; qt., 25c; $\frac{1}{2}$ pk., 80c; pk., \$1.35.

Bermuda Onion Plants

These are new, and especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern garden, to produce sweet, mature onions of Bermuda quality. Ready April 15th. Per 100, 30c, post paid. Per 1000, \$2.00, postage extra; wt. about 6 lbs.

EGYPTIAN OR RED PERENNIALS. These we sell only in the Fall. Planted then, they produce very early green onions. Pt., 20c; qt., 35c; $\frac{1}{2}$ pk., 65c; pk., \$1.00.

WHITE MULTIPLIERS. For First Early Spring Bunching Onions. They are pure silvery white, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. They are ready for table earlier than any other. Pt., 25c; qt., 40c; $\frac{1}{2}$ pk., \$1.25; pk., \$2.00.

SHALLOT'S OR YELLOW MULTIPLIERS. Flavor much superior to ordinary onions. Pt., 20c; qt., 30c; $\frac{1}{2}$ pk., 80c; pk., \$1.35.

YELLOW POTATO ONION SETS. Grown for young onions. Pkt., 25c; qt., 40c; $\frac{1}{2}$ pk., \$1.15; pk., \$1.75.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For farther zones add 5c per pound. In figuring cost remember each quart weighs 1 $\frac{1}{2}$ pounds.



EARLY WHITE
WELSH

Put Kick in the Menu All Year

Prizetaker—American Grown. Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become finely acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50; by express over 5 lbs., per lb., \$2.25.

Large Red Wethersfield. An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00; by express over 5 lbs., per lb., \$1.75.

Fancy Yellow Globe Danvers. This onion is a standard among the large types; it is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe-shape that it passes for globe on the market, and being several weeks earlier than Southport Globe, it sells for the higher early market prices. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50; by express over 5 lbs., per lb., \$2.25.

Ailsa Craig—Vaughan's Selected Stock. It has a handsome appearance to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globular and it forms a fine thick neck which tells of its bred-in fine quality: it is, for a large onion, a splendid keeper; for eating raw it has no superior, it is mildly pungent in flavor, sweet and desirable. Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.15; lb., \$3.50.

Giant Gibraltar. A variety similar to Prizetaker. We offer American-grown seed raised from bulbs produced from European seed. The strain runs slightly larger in size than the usual run of Prizetaker. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

Riverside Sweet Spanish This is a California grown strain of the Spanish (Denia) onion. With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4½ pounds. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00.

Yellow Globe Danvers. Same as Fancy Y. G. Danvers, except that it does not run as globe-shaped, but color, ripening and keeping are identical.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.25; by express over 5 lbs., per lb., \$2.00.

Yellow Flat Danvers. A standard onion with many splendid qualities; a valuable general crop sort. It is of a medium size, quite thick through, but flattened, has coppery yellow skin, and creamy white flesh which is mild and of pleasant flavor. It combines large yield with very even ripening quality. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00; by express over 5 lbs., per lb., \$1.75.

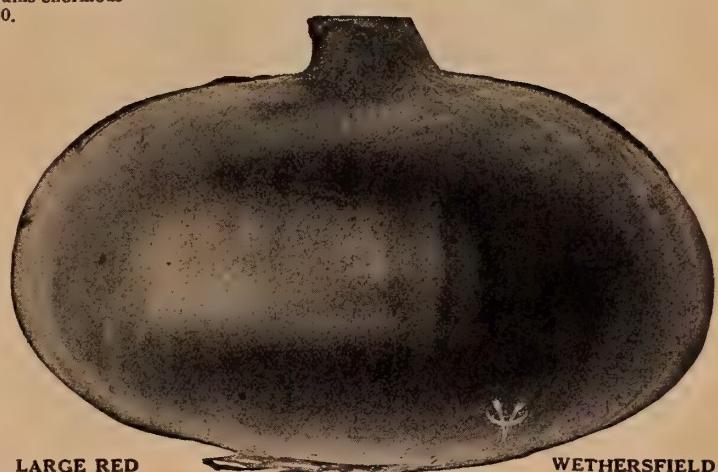
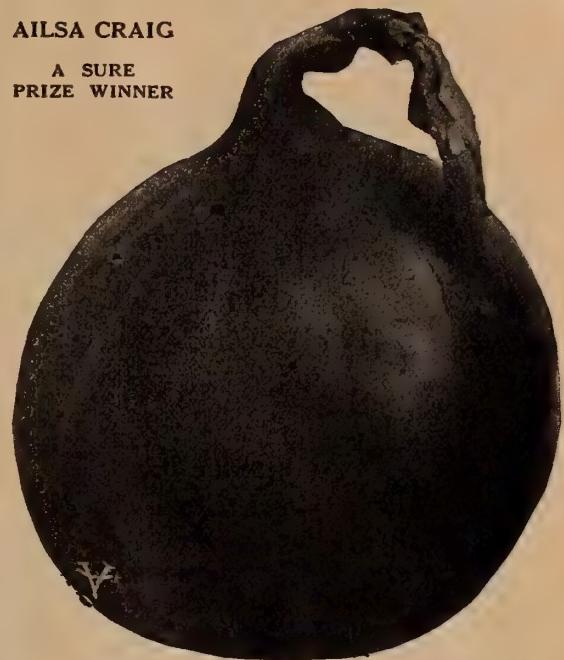
Mammoth Silver King. Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape; flat, but thick. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.25.

Crystal White Wax. This is a pure white flat onion, very popular in the South, especially in Texas. Also does well in the North. Very sweet. Teneriffe seed. Pkt., 15c; oz., 60c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

White Bermuda. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Pkt., 10c; oz., 40; $\frac{1}{4}$ lb., \$1.10; lb., \$3.75.

AILSA CRAIG

A SURE
PRIZE WINNER



LARGE RED

WETHERSFIELD

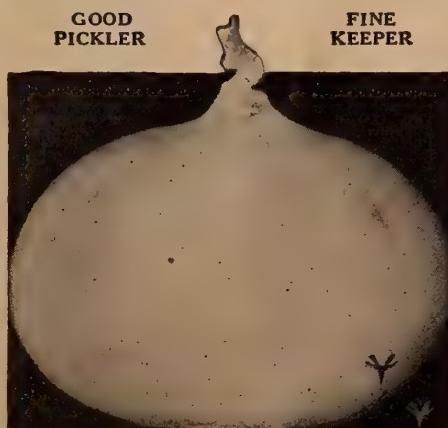
Flat and Miscellaneous Types

EXTRA EARLY FLAT RED. One of the handsomest red onions, and will ripen two weeks earlier than other strains. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

BROWN AUSTRALIAN (Flat). A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder, and a long keeper; keeps well in warm climates. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00; by express, over 5 lbs., per lb., \$1.75.

WHITE PORTUGAL OR SILVERSKIN. This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions for any one or all of these purposes it is extensively planted by growers who produce the varieties named as large white onions for fall and early winter use. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c; lb., \$3.00; by express, over 5 lbs., per lb., \$2.75.

GOOD
PICKLER



FINE
KEEPER

WHITE PORTUGAL

ITALIAN ONION SEED

VAUGHAN'S PICKLING. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

WHITE QUEEN. Remarkable for earliness and very mild flavor, it is small and white-skinned. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

WHITE BARLETTA. Beautiful waxy white. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

STRASBURG OR YELLOW DUTCH. Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown, and has no superior. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00; by express, over 5 lbs., per lb., \$1.75.

Northern Grown Seed Potatoes



VAUGHAN'S IMPROVED EARLY OHIO

Vaughan's Improved Early Ohio (Red).

A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. In the Middle West Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected.

$\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00; 100 lbs., \$5.90; \$5.75 per 100 lbs. in 500 lb. lots. For Certified stock, add 20c per pk.; 35c per bu.; 50c per 100 lbs. to the above prices.

Irish Cobbler—Early Heavy Cropper.

An early of medium size, and in light soil maturing almost as soon as the smaller cropping Earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota, and is superior to strains grown elsewhere.

$\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00; 100 lbs., \$5.90; \$5.75 per 100 lbs. in 500 lb. lots. For Certified stock, add 20c per pk.; 35c per bu.; 50c per 100 lbs. to the above prices.

Bliss or Red Triumph.

For more than a decade this has been the standard early potato in the South. It is a round, reddish skinned potato, rather deep eyes and of medium size.

$\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00.

Nebraska—The Best Rural Type.

This is the heaviest cropping main crop flat white potato. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years, the Nebraska has out-yielded all standard kinds. The vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carmen or Rural type; size larger and quality superb.

$\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00; 100 lbs., \$5.90; \$5.75 per 100 lbs. in 500 lb. lots.

For Pies and Other Purposes

Pumpkins

LIKE melons, squash and cucumbers, pumpkins should be sown when the ground is warm and the plants need plenty of room to ramble. The partial shade of the sweet corn plot is an ideal place in the home garden. A few hills will provide amply for pies and jack-o'-lanterns for the fall festivals.

Vaughan's Small Sugar Pie Pumpkin.

(See cut.) Is so well known as the best pie pumpkin it requires little description. The fruit is small to medium size, with solid fine grained flesh, and such a sweet, sugary, delicious flavor they all call for "more;" the seed cavity is small.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35.

Vaughan's Mammoth Prize.

A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late corn season to mature, needs plenty of room (one plant to a hill) to reach its largest size.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Winter Queen or Winter Luxury.

Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting as russety as a potato.

Pkt., 10c; oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

FOR more than twenty years we have had our Early Seed Potatoes produced in the Red River Valley of the North in Minnesota and Dakota. Today Vaughan's Red River Valley grown true to type Early Seed Potatoes are the standard of quality throughout the country. We have found these are earlier, more vigorous and better yielders than any grown elsewhere.

Certified Stock. We offer Michigan and Minnesota certified potatoes in several instances. Such stock has been inspected while growing by authorized state agents and found free from serious diseases and varietal mixture and is from vigorous fields. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed and is recommended where certified is not to be had.

The prices in this catalogue represent values at the time this book went to press and are subject to market changes. Write for latest market quotations. We are large carload handlers of potatoes and are always in line with the prevailing market. On a quality basis we can always meet competition. Get our figures on large lots before ordering elsewhere.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the East and the latter in the West. One of the rural type is recommended for the late crop.

Acme. A potato of the Ohio type, in fact, similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. Splendid for both market and amateur gardens. $\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00; 100 lbs., \$5.90; \$5.75 per 100 lbs. in 500 lb. lots.

Sir Walter Raleigh. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. Exceedingly fine-grained and white-fleshed. $\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00; 100 lbs., \$5.90; \$5.75 per 100 lbs. in 500 lb. lots.

Woodbury's White Rose (Early). A splendid early potato. "Rose." It is right in size, beautiful kidney-shape with pure white skin and flesh. The vines are vigorous and resist early blight, and the yield is large. $\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00; 100 lbs., \$5.90; \$5.75 per 100 lbs. in 500 lb. lots.

Rural New Yorker, No. 2. Very large, usually smooth, oblong inclined to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size. Known everywhere as "Dusty" Rural. $\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00; 100 lbs., \$5.90; \$5.75 per 100 lbs. in 500 lb. lots. For CERTIFIED stock add 20c per peck, 35c per bu.; 50c per 100 lbs., to the above prices.

Russet Rural or Petoskey. A superb late variety. Remarkable ease. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for cooking qualities.

$\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00; 100 lbs., \$5.90; \$5.75 per 100 lbs. in 500 lb. lots. For CERTIFIED stock add 20c per peck, 35c per bushel, 50c per 100 lbs. to the above prices.

Carman No. 3. One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. $\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00; 100 lbs., \$6.50; \$6.35 per 100 lbs. in 500 lb. lots.

Green Mountain. Late, maturing in 140 days. It is a drouth resister and makes remarkable crops on poor soils. A loose soil is recommended. In loam it produces tubers of large size and attractive appearance, white fleshed. It is very free from disease. $\frac{1}{2}$ pk., 75c; pk., \$1.25; $\frac{1}{2}$ bu., \$2.25; bu., \$4.00; 100 lbs., \$5.90; \$5.75 per 100 lbs. in 500 lb. lots. For CERTIFIED stock add 20c per peck, 35c per bushel, 50c per 100 lbs. to the above prices.

SWEET POTATOES

Grown Especially for Seed

We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, Early Carolina and Nansemond.

Yellows. 10 lbs., \$1.25; 50 lbs., \$4.00; 100 lbs., \$7.50.

Reds. 10 lbs., \$1.35; 50 lbs., \$4.25; 100 lbs., \$8.00.

N. B.—Owing to perishable nature of these tubers we ship by express only.

GOLDEN OBLONG.

Flesh yellow. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

SWEET POTATO.

Bell-shaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

LARGE TOURS OR

M A M M O T H FRENCH.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

CALHOUN.

A fine pie variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

LARGE CHEESE.

Large, flat like a cheese box; very productive. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

LARGE FIELD OR "BIG TOM."

The standard pumpkin grown in corn fields to make a feeding crop for cattle. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

JAPANESE PIE.

Finest quality, good keeper. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.



VAUGHAN'S SMALL SUGAR PIE PUMPKIN

QUAKER PIE. Pear-shaped. Rich flavor and good keeper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

CUSHAW WHITE OR CUSHAW STRIPED. Popular Southern sorts: fine flavor. Either one: Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

For Salads and Seasoning

Peppers, Sweet or Pungent

LIKE egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family.

Vaughan's Giant Magnum Dulce. This fine pepper has appropriately been styled the "Salad King." But it is not in salad form alone that it excels, for there are other forms in which to prepare it. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat, such as ground steak with onions or other seasoning. Sliced and fried as egg plant, it is a delicious dish, or it may be eaten raw, it is so mild. Vaughan's Magnum Dulce Sweet Pepper can be grown to immense size. Seven inches long and 4 inches through, but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Vaughan's Seed of Magnum Dulce is saved from picked specimens.

Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.



New Sweet Upright Salad. Is an early, prolific, good sized, sweet, mild pepper; so mild indeed that it may be eaten raw. In the Northern States it is a most desirable sort; in habit the bushes are of medium height, and bear the peppers upright, not drooping. The size being medium they are just right for stuffing and frying; the bright glossy green color, which turns to a waxen red when ripe, makes this a very attractive pepper. Buy Vaughan's Seed—the best.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Crimson Giant, Early Pepper. An especially desirable sort for the earliest of all the large red sweet peppers. In habit the plant grows two and one-half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe; flesh thick, sweet, and mild.

Pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 90c; $\frac{1}{4}$ lb., \$2.75.

Chinese Giant. This standard variety is larger than "Ruby King," but not so large as "Magnum Dulce." It is very prolific for so large a pepper. The productivity may be increased by pinching off the first or "king blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe.

Pkt., 15c; $\frac{1}{2}$ oz., 60c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00.

Harris' Early Giant. This is the heavy yielder among the large peppers. It is also earlier than other large kinds. The plants are vigorous, 18 inches to 2 feet tall; and the peppers $3\frac{1}{2}$ by 5 inches. Color, deep green turning to red; flesh thick and very sweet.

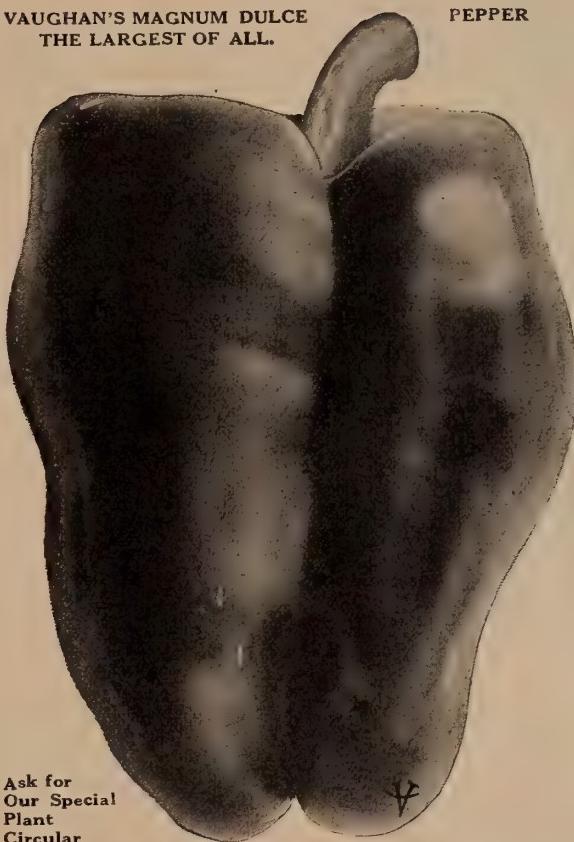
Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 90c; $\frac{1}{4}$ lb., \$3.25.

HARRIS EARLY GIANT



VAUGHAN'S MAGNUM DULCE
THE LARGEST OF ALL.

PEPPER



Ask for
Our Special
Plant
Circular

Hungarian. A long, slender type of hot pepper much prized for canning. It is $1\frac{1}{2}$ inches in diameter at the base and tapers to a point. The fruits are often 10 inches long, and are a pale green turning to a rich red at maturity.

Pkt., 15c; $\frac{1}{2}$ oz., 85c; oz., \$1.50; $\frac{1}{4}$ lb., \$5.00.

World Beater. A large sort, a cross between Chinese Giant and Ruby King, having the longer shape and earliness of the latter with the size of the former. Fruits 5 inches long by $3\frac{1}{2}$ in diameter; flesh thick and mild; very productive and a good shipper.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.60.

RUBY KING. One of the most popular varieties, growing $4\frac{1}{2}$ to 6 inches long, $3\frac{1}{2}$ to 4 inches thick. The peppers are a bright ruby-red and are among the best sorts for pickles. Quite sharp in flavor; the flesh is thick, crisp and tender.

Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.60.

BULL NOSE, Hot. A pungent very early pepper. Pkt., 10c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

PIMENTO. Flesh extremely thick and very mild. Must be started early in the North to mature its fruits fully. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

OTHER PEPPER SORTS

NEAPOLITAN. Early and productive. Flesh thick and mild. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

SWEET SPANISH MONSTROUS. Price of the above except where noted: Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

MAMMOTH GOLDEN QUEEN. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

TABASCO. Hottest of all. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

RED CHILI. Good hot pickling. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

P.S.—The collection of gladioli I got from you last year were all and more than I expected of them. I am very sorry that garden space does not permit of my ordering more.

MRS. D. A. McGINNIS
Humboldt, Kans.



LITTLE MARVEL

HORSFORD'S MARKET GARDEN. Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no brushing, and is a heavier producer. The pods are well filled with peas of fine quality. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

JUNO OR DWARF CHAMPION. Main crop dwarf wrinkled pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 10 peas of very best quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

VAUGHAN'S SWEET MARKET. An excellent main crop pea. Its season follows right after the Extra Earlies and continues to bear much longer than most varieties. Very prolific and of fine quality. 2½ feet, strong vigorous vines, many bearing 50 pods. Pods 3½ inches long, filled with 7 to 9 peas. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

MCLEAN'S ADVANCER. Is a favorite with market growers and canners who consider it the best producer of mid-early sorts. McLean's Advancer is very productive, vines 30 inches high, pods full of fine peas of excellent quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

DWARF TELEPHONE OR DAISY. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Vaughan Seed Store:

Please send me your Catalog of Garden Seeds. I can't get along without your Milwaukee Market Muskmelon.

Yours very truly,
JOHN W. SNYDER,
R 4, St. Johns, Mich.

For Those Who Grow it is Reserved the Early Dwarf Peas

PEAS are a cool-weather crop. They should be sown when the ground is ready to work, without delay. The smooth seeded sorts will stand cold and freezing weather without rotting in the ground, but they are not so tender or sweet on the table as the wrinkled kinds, which are more risky in the wet soil but still worth taking a chance to get early. Dwarf peas are best suited for the garden where space is scarce. They are early and bear well. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will put to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart. Closer sowing will produce no greater crop. Peas must be cultivated faithfully and when the first crop is finished, they should be pulled up for they will bear no more.

For the Home Garden—Little Marvel, Laxtonian, Vaughan's Top O' the Morn and American Wonder are excellent dwarf varieties requiring no support and yielding well.

Laxton's Progress, new, see Novelty Pages.

Little Marvel. The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Nott's Excelsior. Almost as early as the round seeded varieties—only 2 to 3 days later—but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. The vines are vigorous and very prolific. It is easily grown, requires no support and is desirable for the home garden. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

Laxton's Progress. The earliest and by far the best of the large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Blue Bantam, Hundredfold, Pioneer and Laxtonian. It is an improvement upon Laxtonian, which has hitherto been the finest of the dwarfs for table quality. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.25.

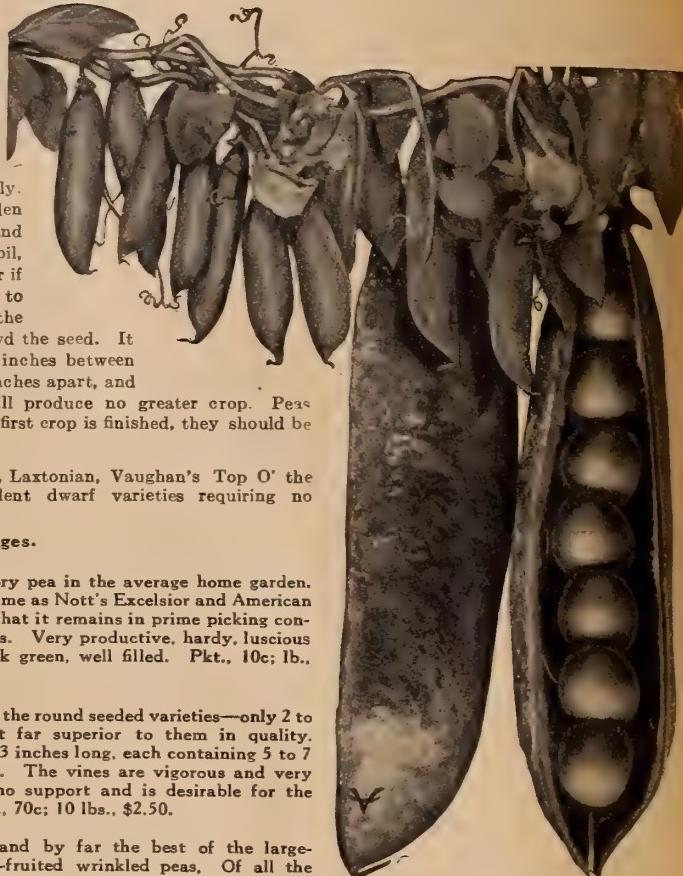
Laxtonian. The New Dwarf Gradus. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, tall, has large pods like "Telephone," which are filled with the finest flavored peas. Laxtonian is in season a few days later than the first earlies. It is really a Giant Podded Early Dwarf in a class almost by itself, for size, appearance and productiveness. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.25.

American Wonder. Is an extra early dwarf wrinkled pea, of standard quality. The vines are dwarfer than Nott's Excelsior, being only 10 to 12 inches high. Pods are firm and well filled with peas of splendid quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

New Pea "Eight Weeks." A majority of the gardeners, both home and market, are now favoring the dwarf peas—their small vines require no brushing or poles and permit planting between other crops like tomatoes, thus conserving space. In yield, too, they average well, only slightly less than the heaviest yielding taller sorts. "Eight Weeks" is one of the very shortest vined peas, growing only 8 to 10 inches in height. The quality is excellent. Season earlier than "Nott's Excelsior" or "American Wonder" and just as heavy a yielder. An ideal early kitchen garden sort. The garden affords no greater "luxury" than the first early fresh green peas right from the vine. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Vaughan's "Top O' the Morn." This is one of the best of the new Dwarf Giant Podded Peas. The vines are of a deep green color, growing 18 inches in height. The pods are blunt-ended, like Nott's Excelsior or Little Marvel, and are produced in clusters all up the haulm, a week later than Laxtonian. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Extra Early Premium Gem or Little Gem. An early dwarfed wrinkled pea, not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods, 3 inches long, filled with peas of fine quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.



DWARF DEFIANCE

Increase the yield of your peas by inoculating the seed or soil with "Nitragin"—Nitrogen-gathering bacteria. It is conveniently put up in various sized tins to meet the requirements of home gardeners as well as professional market growers. See page 106.

VAUGHAN'S DWARF DEFIANCE.

Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

IMPROVED STRATAGEM. Long dark green pods, produced on vines 2 feet high, of strong vigorous growth; matures mid-season; pods are filled with peas of immense size, and delicious sweetness and flavor. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

SUTTON'S EXCELSIOR IMPROVED. Is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. It is very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, and dark green color. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Exquisite Flavor of This Crop at its Best

Early Brush Peas

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The early varieties listed on this page grow to three feet high and should be given support of chicken wire, or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much will be found to be of the finest table quality.

For the Home Garden—Maud S. and Alaska for the smooth-seeded sorts and Gradus and Thomas Laxton of the wrinkled type are excellent varieties.

Gradus—Vaughan's Re-selected Stock. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden; it matures fully two or three days later than the hard round extra early sorts. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Vaughan's Select Extra Early (First and Best) (Maud S.)
Vines are 20 to 26 inches high, pods 2½ to 3 inches long, each having 5 to 7 peas. The delicious sweetness, rich flavor and tenderness of Vaughan's Maud S. are the qualities for which our strain is known by growers and consumers. Seed white, round and smooth; crop ripens evenly and extra early.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

Thomas Laxton. This is a selection of Gradus. The season is identical with Gradus, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. The main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for home garden. A better yielder than Gradus.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Alaska—Called Earliest of All. In season same as "Maud S." Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Vaughan's strain is true, always reliable and gives best results. Round seed peas do not rot in cold ground so easily as wrinkled peas do.

Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

THE AMER. Very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early, 2 or 3 days later than Alaska, and the pods are almost twice as large. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

SURPRISE—The Earliest Pea of Quality. In season two days later than Alaska. Being a wrinkled pea, it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S. because not so hardy. Vines grow 24 inches high, require no brushing; the pods are of good size. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.



GRADUS
PEA

MARKET SURPRISE—A New Extra Early Pea. A new, smooth seeded, extra early, growing about 30 inches high and bearing its large pods, filled with peas of remarkably fine quality, in great abundance. It is a sturdy grower, with pods larger than Amer, filled with wonderfully sweet, fine flavored peas. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.65.

THOMAS LAXTON

Tall Peas Yield Heavily

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequaled for length of season, heavy yielding and high quality. Support should be given, and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

For the Home Garden—Improved Telephone and "Quite Content" will give peas of a size and quality sure to win the envy of your neighbors and the prizes at the garden show.

Vaughan's Improved Telephone. Of the tall growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes.

Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Admiral Beatty. A very desirable mid-season or early main crop variety. Vines are about four feet high, dark green in color, and produce abundantly large pods well filled with eight to ten peas. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Champion of England. This is a late season tall pea. The vines grow about 5 feet high, are very vigorous and productive.

Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

"Quite Content." This is the largest podded pea, the pods being 5-6 inches in length. It is later than "Vaughan's Improved Telephone;" the vines grow 5 to 6 feet high. They yield large peas of fine flavor. A splendid exhibition sort.

Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.00.

Alderman. This mid-season pea is tall-growing of English origin, and a few days later than "Vaughan's Improved Telephone." Exceedingly vigorous and immensely prolific.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Everbearing. For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality.

Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

Yorkshire Hero. An old standard variety; vines medium tall, produces a fine crop of broad, well filled pods.

Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

BLACK EYE MARROW-FAT (Late). A great yielder of ordinary quality peas. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

WHITE MARROWFAT. Similar to Black Eye. Popular heavy yielder. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

EDIBLE POD PEAS

(Cooked like String Beans)

MAMMOTH PODDED SUGAR. A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; 1 lb., 45c; 2 lbs., 85c; 10 lbs., \$3.00.

DWARF GRAY SUGAR. Vines 16 inches. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.65.

Three tall-growing sorts to be planted at the same time to mature successively.

GRADUS IMPROVED TELEPHONE CHAMPION OF ENGLAND

1 pkt., each of above, 25c. postpaid.

1 lb., each (3 lbs.) of above, \$1.10, Exp. not prepaid.

2 lbs., each (6 lbs.) of above, \$1.90, Exp. not prepaid.

10 lbs., each (30 lbs.) of above, \$7.25, Exp. not prepaid.



"QUIITE CONTENT"

To Please the Eye and Taste as Well, Grow



VAUGHAN'S
XXX
PARSLEY

Soup Plants

Fresh vegetables for soup stocks are one of the luxuries of the home garden. Besides Parsley, Parsnip and Carrots, Leek—the Scotch standby—should be tried. The tops of the Celeriac furnish a fine celery flavor as a by-product to the roots.

Vaughan's



Specials

We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.

THERE ARE NONE BETTER

Table Parsnips

PARNIPS should be grown in every home garden not only because of their delicious flavor, but because they may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide.

Vaughan's Marrowfat Parsnips. The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high-class variety. In richness of flavor it is unequalled. For exhibition purposes it is a winner.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c.

Magnum Bonum. A greatly improved strain of "Hollow Crown" Parsnip. As a money-maker for market men we recommend it. It is a heavy cropper, the roots are smooth, but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

Hollow Crown, Long Smooth. (Abbott's Improved.) Smooth, large, tender and sugary; one of the best. Our strain is a good selection.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

Improved Guernsey. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

Vaughan's New Intermediate. This new sort does not require soil so deep for its cultivation as the older sorts. It is quite equal in quality to the older varieties although the roots are only one-half to two-thirds as long under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.

"French Endive" (Witloof Chicory), see page 22, should be grown like parsnips during the summer. In winter they produce, with little care, a salad of exquisite quality.

Vaughan's Parsley

PARSLEY is one of the vegetables a housewife values most highly in the garden. It is always in demand for garnishing dishes, and often valuable for flavoring soups and stews. It should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. The parsley will not appear until the radishes are ready to harvest.

Rich and mellow soil is desirable for best results with parsley. When the plants are well up thin to 8 to 12 inches in the row. When the plants of the curled varieties are about three inches high, cut off all the leaves. New growth will start which will be brighter and better curled. Similar treatment may be given from time to time.

The rooted parsley provides excellent flavoring for soups and stews, and also leaves which may be used for garnishing though not so finely curled.

Vaughan's XXX Parsley. "The most beautiful Parsley that ever garnished a dish." An enthusiastic gardener gave voice to the above expression as he garnished some dishes of fine table delicacies with sprays of Vaughan's beautiful XXX Parsley. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It is pretty in growth as well as beautiful as a garnish for table dishes. It grows very dwarf in the garden—many of our customers plant it as a border for which it is very pretty; it also is valuable in the hotbed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe where the seed is grown. It is the best and handsomest colored parsley yet introduced.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Vaughan's Champion Moss Curled. In England this is a prize winning variety.

Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. For garnishing dishes and for flavoring purposes it is entirely satisfactory.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.60.

FERN LEAVED. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

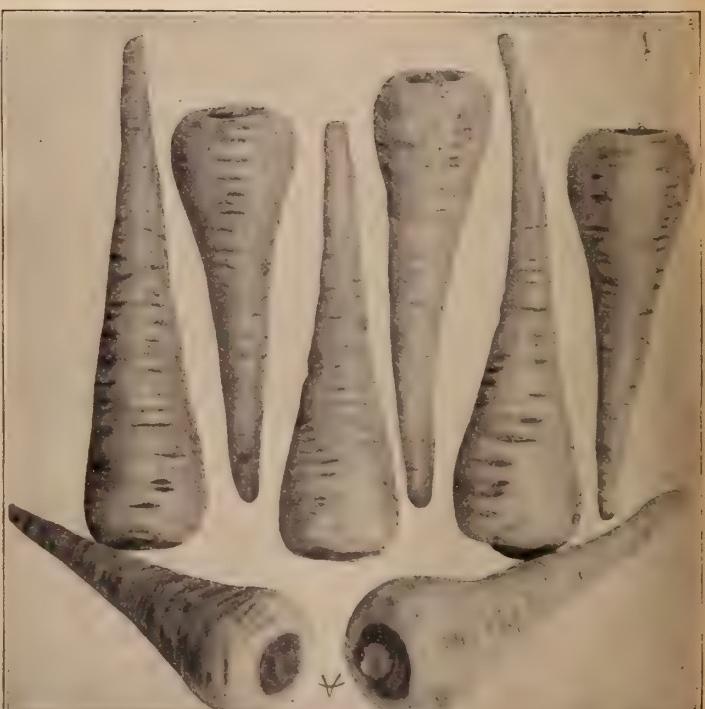
PLAIN or ITALIAN. The leaves are not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

HAMBURG ROOTED or GERMAN. The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups. Our strain is of exceptional quality. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

Parsley sometimes takes 2 or 3 weeks to germinate. Firm the soil well around the seed after sowing and keep the ground from drying out.

For a Harvest Which
Lasts All Winter



VAUGHAN'S MARROWFAT—Handsomest and Best

For Roughage in the Balanced Diet Grow Health Giving Greens New Spinaches

SPINACH delights in cool moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitaminine investigation.

Long Standing Spinach "Antvorskov." (Danish King)

In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. It is vigorous and a rapid grower. It is ready for use practically as early as any Spinach and remains in condition much longer. The seed is round.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

New Spinach (Princess Juliana). "Long Season" Spinach.

The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious, i. e.; these are male and female plants.) This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seeding much later than male plants.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Virginia Savoy Yellows or Mosaic Disease Resistant.

A variety originated by the Virginia Truck Experiment Station, a cross between Resistant Bloomsdale Savoy and Manchurian. This is a cool weather variety, for winter in the South and fall in the North. The leaves have markedly the Savoy characteristics.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Vaughan's Triumph Spinach.

Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick warded, and fine and tender when cooked.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Bloomsdale Long Standing.

See Novelty pages (6 and 7). Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c.

New Zealand Spinach (*Tetragonia expansa*).

While not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

12 VEGETABLES GIVING GREATEST RETURNS

Beans.	Stringless Greenpod.	OFFER:	Onion.	White Globe.
Beets.	Vaughan's Fire Ball	12 Varieties.	Parsley.	Vaughan's XXX.
Carrot.	Early Chantenay.	One pkt. each,	Radish.	White Tip "Sparkler."
Sweet Corn.	Golden Bantam.	prepaid,	Radish.	Icicle.
Cucumber.	Davis Perfect.	\$1.00.	Swiss Chard.	
Lettuce.	Black Seeded Simpson.		Tomato.	Bonny Best.

Swiss Chard
should be grown
in
every Home Garden.



NEW LONG STANDING SPINACH "ANTVORSKOV"

BLOOMSDALE OR NORFOLK SAVOY-LEAVED.

Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with Southern truckers. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 20c; lb., 50c.

EXTRA LARGE ROUND LEAF.

Large crumpled leaves. This is one of the best for early use, and if sown again in August is hardy enough for late autumn use.

PRICKLY-SEEDED. Very hardy; sow in fall; for late use.

LONG STANDING. Of compact growth with thick deep green leaves. Slow to seed.

MONSTROUS-LEAVED VIROFLAY. Quick, strong growth. N. Y. favorite.

Price of the above, except where noted. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Vaughan's Giant Fillbasket. The very largest Early Spinach, the result of careful re-selection. In Europe it holds first place in public favor. Our customers here have had great success with it and are planting it more extensively each year. Its broad, thick, dark green leaves are very crisp and tender and of delicately delicious flavor.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Victoria Spinach. Remains in prime condition two to three weeks after other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 20c; lb., 50c.

For Greens Throughout the Summer

Swiss Chard

The City Gardener's Friend.

Swiss Chard — "Cut and Come Again."

This vegetable gives maximum returns for little care and space; it yields a constant crop from July to winter. If your garden space is limited, Swiss Chard must have a place, for in proportion to ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. It can be used all Summer when spinach is not available. The leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus, or made into very good pickles. As it grows, thin out for use and keep clear of weeds. Good cultivation increases its tenderness. Gardeners use Swiss Chard as a catch crop, giving quick results on temporarily idle spaces. The investment is small and returns large. Our packages contain recipes for cooking.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

LUCULLUS SWISS CHARD.

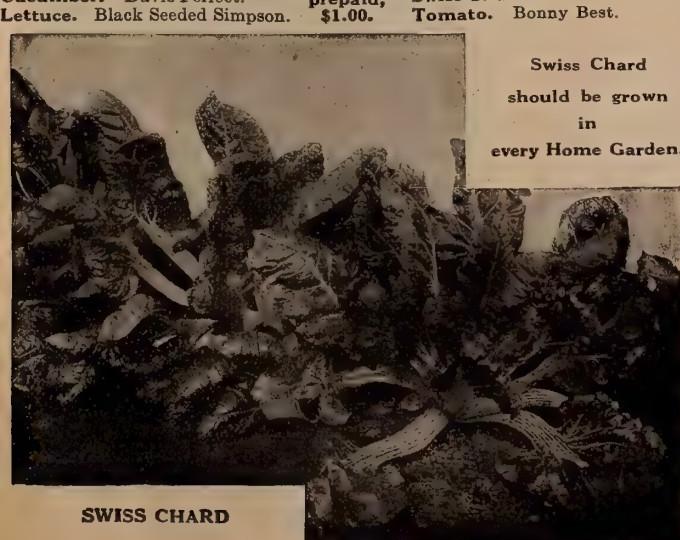
A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

COOPER'S MAMMOTH.

This new mammoth sort is a medium green-colored variety of immense size—large chard or mid-rib of excellent quality and flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

LYON SWISS CHARD. A new variety, selected especially for its broad mid-ribs and stems. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

GARDEN SORREL. Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.



SWISS CHARD

By Sowing for Succession Crops, Spring, Summer and Fall Types



VAUGHAN'S SELECT SCARLET GLOBE

(F)—Forcing Sorts

Vaughan's sale of Radish Seed to the many under-glass gardeners—growers of lettuce and radish—runs into thousands of pounds annually. Many of them buy our seed months in advance and keep these special strains always on hand.

Giant Butter. This is by far the largest of the early turnip radishes exceeding in size even the Crimson Giant. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine, round shape. In color it is vivid scarlet. It is further characterized by ability to stand for an unusually long period without becoming pithy and is highly recommended to home gardens. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

Vaughan's 20-Day. Extra Early (F) Olive-Shaped. The quickest Red Olive-shaped radish, matures 20 days after sowing; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

Improved Breakfast (F). An excellent early olive-shaped radish about 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Olive-Shaped Deep Scarlet. Similar to Vaughan's 20-day. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Vaughan's Cardinal Forcing (F). Is a splendid marketing radish; of the Globe-shaped sorts it is the handsomest; it is larger and more evenly shaped, and has also a richer red colored skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

VAUGHAN'S
20-DAY

Enjoy Radishes

RADISHES supply the first home garden harvest in the spring, and winter radishes may be enjoyed as late as New Year. Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner; so they must be harvested promptly and will not enjoy hot weather. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed

Early Scarlet Globe Forcing (F). Vaughan's Glasshouse greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender, very attractive and one of the best sellers. This radish is rich bright scarlet in color, of uniform globe-shape and stands heat without becoming pithy. It is ready for the table in 25 days.

Vaughan's Scarlet Globe Radish should be planted in every greenhouse and garden for market as well as home use. For the home, plant every 10 days until into June; again end of August. Market Gardeners ask for Special Catalog. Lowest prices.

VAUGHAN'S SELECT STOCK—Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.
STANDARD STOCK—Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Scarlet Turnip White Tip. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color, with white tip and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate. The exceptional merit of this radish is proved by its popularity, increasing every year with successful market gardeners, whose orders for Vaughan's Seed run into many thousands of pounds.

VAUGHAN'S "SPARKLER" STRAIN FOR OPEN GROUND—Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

AMERICAN GROWN—Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

SAXA RADISH—Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.40. See Novelty Pages 6 and 7.

Earliest White Turnip or White Box. Good for forcing or open ground, tops are short and tap root thin. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

CRIMSON GIANT (F). For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow seed thinly to permit root growth. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

VAUGHAN'S ALL SEASONS. May be sown from spring to autumn and used at all stages of growth; a round scarlet radish. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

EARLIEST WHITE OLIVE (F). Earliest of all radishes—matures in 15 to 18 days after sowing. This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Giant Butter is the largest early globe, and does not turn pithy soon. Fine for home gardens.

NON PLUS ULTRA (F). Scarlet turnip-shaped. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

OTHER GOOD RADISH KINDS
Price, any of the following: Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

FRENCH BREAKFAST. Quick and handsome.
EARLY DEEP SCARLET TURNIP. An old standby.

YELLOW TURNIP. A summer variety.
GOLDEN YELLOW SUMMER Turnip. Smooth.

Onion Sets, producing the succulent "Early Green Onion," is the one crop which offers quicker returns than radishes in the garden—page 28.

Vaughan's "Sparkler" strain of White Tip Radish has no superior. It has been carefully selected to meet the requirements of critical Eastern gardeners who plant it extensively and buy their seed from us.

SCARLET TURNIP, WHITE TIP
"SPARKLER" STRAIN

All Season Long

to develop in the cool, moist fall weather. They may be stored like turnips for winter use.

Root maggots sometimes attack radishes. The best way to avoid them is to reject rank manure for the radish bed and sow on ground where no root or cabbage crop, grew the year before. A succession of crops may be obtained either by sowing the olive or globe or long types simultaneously, or by making successive sowings of a favored variety, remembering that little success will be had with earlier sorts in the hot weather.

Icicle—The Finest White Radish. An ideal white radish—long slender root which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

HALF LONG DEEP SCARLET (F). This is good for forcing, it is brittle and mild. It is much grown in the South for early shipment. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

BRIGHTEST LONG SCARLET. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Usually ready for the table in 25 days from planting. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

VAUGHAN'S MARKET. (Half-Long White.) The best early half-long white radish, tender, brittle, delicate flavor, resembles Strassburg in size, grows more quickly, delicate and fine. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

CINCINNATI MARKET. A long red radish, white tip, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.



EARLY LONG SCARLET SHORT TOP

Early Long Scarlet Short Top. A long, straight, smooth, red radish; it grows partly above ground; developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer. All of the following: Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

IMPROVED CHARTIER. Somewhat resembling Brightest Scarlet. It is double the size and later; long scarlet tipped with white.

WHITE STRASSBURG. Larger size and thicker than Vienna. Very solid.

LONG WHITE VIENNA. Snow-white, very brittle and crisp. **WHITE STUTTGART.** A turnip-shaped, large white radish.

This late class is very popular in Europe and should be grown more in this country.

Olive Crystal

Vaughan's "Olive Crystal" is the sweetest of all Summer Radishes. Our illustration shows the type well; note the smoothness and clearness of the skin, giving it a great advantage in beauty over such Summer sorts as Stuttgart and Strassburg. Outside of its looks Olive Crystal has quality: the flesh is as sweet as a nut, entirely without the sharpness so often found objectionable in varieties of the same class. In shape it is that of an olive and the size of a walnut.

Those who like the Sweet Radish will find in this one that which is really ideal in a fine variety of this quality. This new sort matures early, grows a very small top and has a very small tap root. An added feature is that it may be planted early without running to seed. Price, Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

Oval Yellow

A late variety, of excellent quality and attractive appearance. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.



OLIVE CRYSTAL

They Give Interest to the Diet and Stimulate Dull Appetites

(F)—Forcing Sorts

The early or forcing Radishes must have short or minimum tops so that all of the efforts of the plants are used to produce roots in the shortest possible time. This has been accomplished by careful breeding and the selection of those parent plants which transmit this characteristic. Continuous re-selection and transplanting so inspection of each plant is possible is necessary to produce the better strain. Vaughan's Early Radishes are so selected and grown in those parts of the world where environment is favorable.



ICICLE RADISH

WINTER RADISHES

Do not sow these until the latter part of June.

THE MUNICH. The German knows this as the Beer Radish. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50. Each of the following: Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

CALIFORNIA MAMMOTH WINTER. Long, very large size.

ROSE OR SCARLET CHINA.

Rose, medium size, fine keeper.

CHINESE MAMMOTH OR CELESTIAL. Immense size, flesh always crisp and mild.

BLACK SPANISH, LONG. Black skin and white flesh.

BLACK SPANISH, ROUND. Like Long Black, only round.

LONG WHITE SPANISH. Like Long Black, except color.

LONG HALF BLACK WINTER. Fine sort.

SAKURAJIMA. A Japanese radish of immense size. In shape it is oval with cream-colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Sow in May. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

SALSIFY, OR OYSTER PLANT

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frost. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground, but lifted before they start to grow. Salsify is boiled like parsnips or carrots, or after half boiling can be grated and made into flattened balls and fried like oysters.

Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$2.75.

Long White Salsify. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$2.75.

Scorzonera, or Black Salsify. Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

Rampion—A New Salad. Both the roots and leaves make a delicious salad. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 30c; 2 oz., 55c.



SALSIFY, MAMMOTH SANDWICH ISLAND

As Sweet as Melons and far Easier to Grow are the New



NEW SQUASH "TABLE QUEEN"

New Squash "Kitchenette" (Hubbard). A small edition Squash developed by inbreeding and introduced by the Minnesota Experiment Station. It was named "Kitchenette" because it is the smallest Hubbard. The squash average about 5 pounds. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage. In season they are two weeks earlier than the Hubbards and still yield in gross tonnage as well as the other varieties. There are many points of value in a small squash.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Golden Hubbard. Fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are earlier in season, but keep in fine condition through the winter. The skin is deep orange yellow and very attractive. Flesh is deep golden yellow, fine grained and delicious.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

Original Hubbard Squash. Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruit has dark green skin, and often weighs as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick, of superior flavor. If stored right, Vaughan's Strain can be held in good condition until spring.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

Vaughan's Chicago Warted Hubbard. Vaughan's Chicago Warted Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; fruits are of large size, rough skin, dark green in color. For producers on a large scale, these qualities are needed. Our strain is ideal for the home market, vines are of strong, robust growth, fruit is large, grand shape, heavily warted, flesh is bright orange, fine grained, rich and dry

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.65.

YELLOW SUMMER CROOK-NECK. The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

EARLY WHITE BUSH. Very early. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35.

Stock seed—Pkt., 15c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

MAMMOTH YELLOW BUSH. Like Mammoth White Bush. The fruit runs a little larger. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

BOSTON MARROW. Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

MAMMOTH CHILI. A popular exhibition sort. Specimens grow as large as 150 pounds. Rich orange yellow color. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

Table Squashes

SQUASH are growing in popularity with home gardeners. They must be sown in quick soil after it has warmed up, in hills 8 to 10 feet apart for the vine varieties and 3 to 5 feet for the bush sorts. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer. Vegetable Marrows are considered by many to be superior in flavor to egg plant if sliced when half grown and fried. All squashes may be baked and eaten with butter, in which form they oftentimes are relished by persons who dislike them when mashed and boiled.

New Squash Table Queen, "Des Moines." We can truly say that the height of Squash quality is still unknown to one who has not eaten half a Table Queen, baked and buttered. The enthusiasm of customers entitles it to the place among squashes accorded to "Golden Bantam" in sweet corn. In size Table Queen equals a fair sized husked coconut, and a half, baked, serves one person amply. This avoids the waste often resulting from the use of larger varieties. The shell is unusually thin and it does not require over twenty minutes for baking or boiling. A good way to prepare is to cut in half, place a lump of butter on one half, top with the other and then bake whole. This squash is ready before the Hubbards and yet stores equally well. The color is dark green changing to bright golden after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.



NEW SQUASH SWEET POTATO

"Sweet Potato." A valuable addition to the list of small squashes, of fine flavor, becoming a popular feature of fall and winter menus. It is an improved Delicata, as sweet as Table Queen. The fruit averages 6 to 8 inches long and they are thick fleshed. When baked and served with melted butter it is a table delicacy of the first order.

Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Vaughan's Giant Summer Crookneck. Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The flesh is a rich golden yellow, the quality and flavor of which is the very best.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

Vegetable Marrow. This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy. Our packages contain cultural directions and recipes for cooking.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.65.

Cocozelle (Italian Vegetable Marrow). A bush summer variety. Fruits oblong, ribbed, 12-16 inches in length. Color dark green marbled with yellow and dark green stripes. Very fine flavor.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

Zucca Pergola A vegetable marrow which grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats.

Pkt., 15c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

New Italian Marrow See Novelty Pages 6 and 7. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.

The Delicious—For Quality. A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

Mammoth White Bush. Is an improved selection of the old "Early White Bush," the highly favored early summer squash. The newer sort is much larger and deeper, has fewer scallops, which saves waste, and is a heavier producer. Our strain is very select.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

BUSH FORDHOOK SQUASH. A new bush type of the original Fordhook, unequalled in quality and delicious sweetness by any variety, whether for summer or winter use.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

FORDHOOK—Early. Ripens early and is one of the best keepers. Can be kept through the winter until June. Is very prolific, and nearly bug and borer proof. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Delicious and Non-Fattening Fibrous Food is Provided by Table Turnips and Rutabagas

TURNIPS are cool weather plants and thrive best in spring and fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored. Rutabagas after a touch of frost are a delightful addition to the winter diet. To avoid maggots, it is best to sow turnips on different soil each year.

A loose and fertile soil is needed to mature early turnips rapidly, and avoid a bitterness which develops when growth is checked. The plants should be thinned to stand three inches apart, and then the half grown roots should be harvested alternately.

For the Home Garden—Any of the table turnips and rutabagas listed on this page will be found satisfactory.

Purple Top White Globe. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Splendid for table—tiptop for stock.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; 5 lbs., \$3.75 (by express).

Extra Early Purple Top Milan. An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

Purple Top Strap-Leaved. Is a table variety, fine, tender and deliciously flavored. It is a week later than "White Milan." It is broad shaped, medium size, white flesh; fine grained, splendid quality. Top is dark red or purple, elsewhere white, has few leaves, upright in growth, fine keeper.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c; 5 lbs., \$3.00 (by express).



PURPLE TOP MILAN



WHITE FLAT DUTCH

EARLY WHITE MILAN is the earliest turnip, but can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

GOLDEN BALL or ORANGE JELLY. Medium size, globular table turnip. Season early. Flesh yellow, sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

TELTON. Small in size; a German delicacy of remarkable quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

TABLE RUTABAGAS

Vaughan's Improved American Purple Top is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good keeper and keeper. One of the most profitable to grow, on account of its great yield of large solid roots, which make excellent winter feed for all farm stock. Excellent table quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c; 5 lbs., \$3.25.

Bangholm Danish. Yellow flesh, purple top with small neck. This variety has excellent table quality and is recommended for home gardeners. Danish pedigree seed. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

Prices of the following: Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

LAING'S GARDEN RUTABAGA. Short top, well shaped, medium root. Purple skin, yellow flesh. A splendid winter keeper, delicious after first few November frosts.

WHITE SWEDE. White, solid.

SWEET GERMAN. A fine table sort, white flesh, excellent keeper.

WHITE FLAT DUTCH. A very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the Southern States; is medium sized, sweet, tender and desirable for table use. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

EARLY SNOWBALL. Small, white, grows quickly, splendid table quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

SEVEN TOP. A variety much grown in the South for the tops, which are used as greens. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

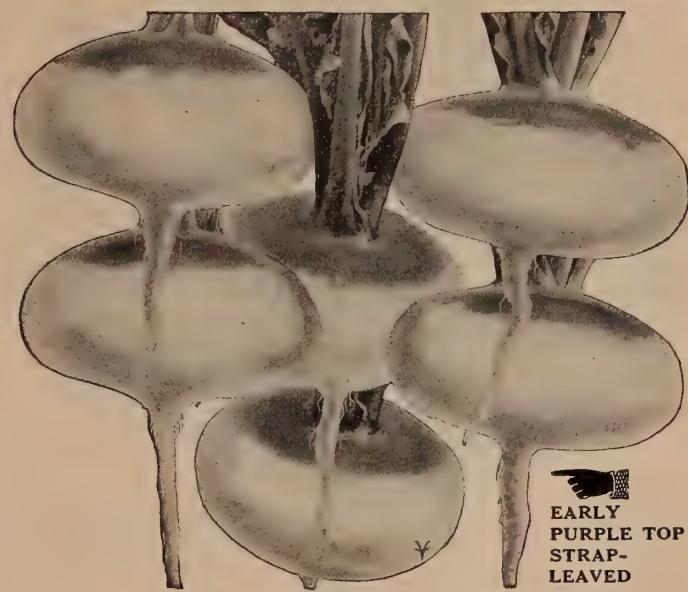
LARGE YELLOW or AMBER GLOBE. Fine quality and sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

SUTTON'S CHAMPION. Round, big yielding, yellow flesh. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

BREADSTONE. Medium size, white roots. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

CARTER'S IMPERIAL. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

SKIRVING'S. Large yellow. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.



EARLY PURPLE TOP STRAP-LEAVED

SWEDES AND RUTABAGAS—for Stock

Monarch. A stock crop for early feeding, oblong shape, yellow flesh, fine grain, good flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

Rhode Island Rock. Great improvement on White French Turnip made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c.

LARGE FIELD TURNIPS—for Stock

WHITE EGG. Quick growing, egg-shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves; never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

LARGE WHITE NORFOLK. Globular, late, solid. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

COW HORN or LONG WHITE. Grows nearly half way out of the ground, carrot shape, usually slightly bent; pure white. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

POMERANIAN WHITE GLOBE. Large, good both for table and stock. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

YELLOW ABERDEEN. Large globe-shaped table and stock variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Miscellaneous Seeds

Vaughan's Tree Seeds

EVERGREEN seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade in the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost.

We handle a full line of Tree Seeds. Write for prices.

One pound lots and less include postage.

APPLE. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

ARBOR VITAE (American). Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.60; lb., \$6.00.

CATALPA SPECIOSA. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

LOCUST, HONEY. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

LOCUST, BLACK OR YELLOW. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

OSAGE ORANGE. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

PEAR, FRENCH. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.75.

PINE, SCOTCH. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.35; lb., \$5.00.

SPRUCE, NORWAY. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.75.

Tobacco Seed

BIG HAVANA. A hybrid Havana. Oz., 45c; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00.

CONNECTICUT SEED LEAF. Best adapted to climate of Middle and Northern States. Oz., 45c; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00.

BIG ORONOKO. Has no equal for strips and dark wrappers. Oz., 40c; $\frac{1}{4}$ lb., \$1.20; lb., \$4.50.

BURLEY. The popular Kentucky sort. Oz., 40c; $\frac{1}{4}$ lb., \$1.20; lb., \$4.50.

Early and Late Tomatoes

EARLIANA
BEST RED
EXTRA
EARLY



See
Novelty
Pages for
New Varieties

John Baer. A remarkable new variety of the extra early red or scarlet type. Not quite so early as Earliana, though there are only a few days' difference, and John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Bonny Best. Regarded as a shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Vaughan's New York. A worthy sort to follow the early red sorts like Earliana and Chalk's Jewel. It is a second early red-skinned, firm-fleshed tomato of high quality which is at the same time of good size and attractive appearance. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.40.

ACME—Early (Purple). Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five, early and continuously until frost. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

EARLY DETROIT (Purple). The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.60; lb., \$5.50.

BEAUTY (Purple). Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform, very smooth purplish pink skin; flesh light pink. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

HUMMER—Early (Red). Globe-shaped, medium size, smooth, prepared for table without waste. Scarlet, free from cracks. Has heavy foliage and should be grown on trellises. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

DWARF ARISTOCRAT. This is a scarlet Dwarf Champion. The size, shape, form and color are nearly perfect for home use. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet, making it ideal in home gardens. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

MATCHLESS. Large, bright red, long keeping tomato. The solid fruit is produced on strong, vigorous, prolific vines. Very distinct. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.



IMPROVED NEW STONE. "King of the Reds." The very best of the main crop varieties. For yield, size and appearance, we have seen no finer strain than ours. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satisfaction to the grower. Canners plant it for their main crop and market-gardeners find it their most profitable sort. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

CHALK'S EARLY JEWEL. The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Our trial ground or experiment department is always anxious to receive criticisms of stocks or strains with an aim to better them. Also, if varieties you are using are not suited for your use, we may be able to help you with suggestions.

TOMATOES are an ideal home garden crop, thriving in a clay soil none too fertile and yielding heavily in small space. They should be started indoors and those unable to do this should purchase plants. The plants may be set in the garden when danger of frost is over. It is important to give them a quick start after transplanting by frequent watering and fertilizing. They should be sprayed with bordeaux mixture to prevent disease, and with arsenate of lead to keep off the tomato worm; and Pyrox furnishes a combination spray which will accomplish both purposes. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner, though satisfactory crops are produced by allowing the vines to lie on the ground.

For the Home Garden—Earliana for the first crop, John Baer second early, and Stone for the main crop are the most popular and are of excellent quality. For those who prefer a large size fruit, plant Ponderosa, Crimson Cushion or Enormous. The dwarf types take up less space in the garden while producing fruits of normal size.

Vaughan's Select Earliana. Very popular Early Red. Vaughan's bright red tomato. In season it ripens with the earliest, and our strain shows few, if any, of the rough fruits found in large numbers in other early sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

June Pink—The Best Extra Early Pink. In many, perhaps the greater number of markets, a pink early tomato is most desired. This is the earliest of the pink varieties, and is similar in habit to the famous Earliana. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.60; lb., \$6.00.

Avon Early Tomato. This is a scarlet-fruited variety of the very earliest class. It bears as quickly as Earliana, produces fruits of good size, round or slightly flattened, smooth and free from cracks and of fine quality. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Hudson Valley Maid. This new potato-leaved variety, in trial, showed up remarkably well during a dry, off season, the potato-leaved sorts seeming to possess a hardiness that few of the ordinary leaved sorts have. It is second in season, of good size, smooth and bright red. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00.

Vaughan's Model (Tree) A Potato-leaved dwarf and more prolific than the ordinary leaved dwarf varieties like Dwarf Champion. The foliage is large, broad, dark green and heavily blistered. The fruit is brilliant scarlet. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.60; lb., \$5.50.

Disease Resistant Sorts

See Novelty Pages (6 and 7)

MARGLOBE, pkt., 15c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.75.
MARVELOSA, pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 90c; $\frac{1}{4}$ lb., \$3.00.
NORTON, pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00.
NEW KING, pkt., 50c.



VAUGHAN'S
IMPROVED
NEW STONE



FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

COMET. Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts. Pkt., 25c.

BONNY BEST. The most popular American variety for forcing. Forcing strain, Pkt., 25c.

FRGMORE SELECT. Almost round, small seed cavity, bright red. Pkt., 25c.

LORILLARD. One of the best known and popular kinds. Pkt., 25c.

STIRLING CASTLE. Small size, uniform and very productive. Pkt., 25c; $\frac{1}{2}$ oz., 35c.

LISTER'S PROLIFIC (New). Latest popular English sort. Pkt., 25c.

FILL BASKET (New). One of the best of the English Forcing varieties. Vine heavier than Sunrise. Fruit set in clusters of three to five. Color, scarlet; heavy yield. Pkt., 25c.

DWARF CHAMPION

of Every Type and Size

Dwarf Stone—The Largest Dwarf Tomato.

This is the largest dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. In shape and size it is similar to "Improved New Stone." The fruit is red, and specimens weighing $\frac{3}{4}$ pound are not uncommon. Dwarf Stone is almost as early as "Dwarf Champion," and the fruit is the size of the last named sort. Fruit ripens evenly, is solid, free from cracks and of excellent quality. Amateurs find Dwarf Stone a splendid sort, because of its dwarf habit and robust growth.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00.

Ponderosa—The Giant Tomato.

Of the large fruited varieties, this one is a gem.

The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

Dwarf Champion.

A good sort for the home garden. Owing to its dwarf habit and upright tree-like growth it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff, requiring little support.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.30; lb., \$4.50.

Gulf State Market Tomato.

This globe-shaped purplish pink tomato was developed from Early Detroit and is as early as that variety. It is said to be especially adapted to the Gulf states and California. The fruits are large, showing little depression around the stem, and free from cracks.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.00.

New Globe Tomato.

This new Globe or Ball-Shaped tomato is ideal for the home garden; it is excellent for slicing.

The rich, juicy, tomato flavor gives a certain zest and joy in the eating. The fruits ripen with the second earlies. They yield a heavy crop and continue to bear until frost. The skin is a smooth, purplish pink; the flesh is firm and it has few seeds.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.60; lb., \$5.50.

Golden Ponderosa.

A Yellow Gem. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Runs nearly true to type with a small percentage of mixed fruits.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

CREAM CITY.

This is one of the very first large tomatoes to ripen. Smooth, always round and good size. The color is purplish crimson, similar to Acme. Flesh thick, firm and solid, with few seeds. Good shipper. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

VAUGHAN'S TALL CHAMPION.

An extremely strong grower and heavy bearer; the fruit is like "Dwarf Champion" in color and smoothness, but runs a little larger in size, averaging $2\frac{1}{4}$ inches thick and $3\frac{1}{4}$ inches broad. It is very hardy and very prolific, one of the most desirable sorts for both home and market use. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00.

ENORMOUS.

Very large, beautifully smooth, solid flesh, few seeds, rather oval shape, mid-season, ripens all through at once. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00.

CRIMSON CUSHION or BEEF-STEAK.

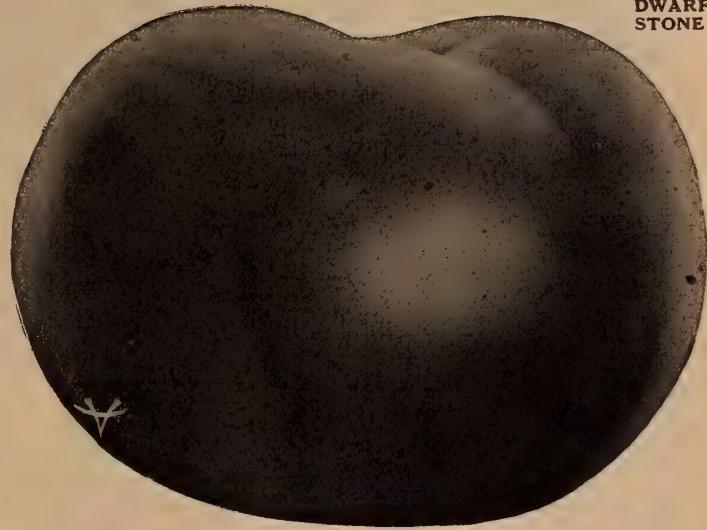
Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

MAGNUS.

Potato-leaved; an early main crop, strong growing vines, a heavy cropper. Fruit is globe-shape, and ripens evenly. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.15; lb., \$3.50.

Slater, Iowa, Feb. 4, 1926.
Dear Sir: Some time ago I wrote you for a Seed Catalogue, but have not got it. Please send one at once as I want to place an order for tomatoes and cabbage seed. The seeds I got last year were OK, and produced some of the best tomatoes I ever grew.

Yours truly,
A. A. MUNSON.



TOMATO PLANTS

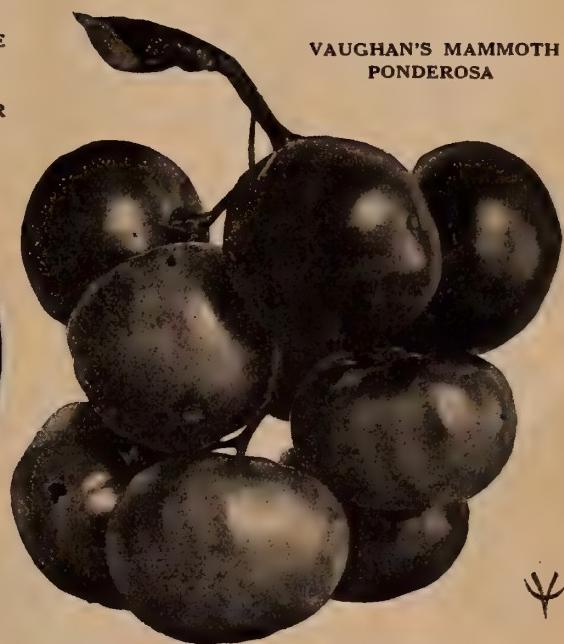
Write for our Special Circular on Vegetables and Bedding Plants.

NEW GLOBE



A SINGLE
CLUSTER

VAUGHAN'S MAMMOTH
PONDEROSA



SMALL-FRUITED TOMATOES

Very Desirable for Pickles and Preserves.

NEW GRAPE OR CLUSTER, NA-POLEON.

This is the best of the so-called "dessert" tomatoes which are eaten whole. Immensely productive; sometimes 40 to 60 of the small fruits fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is delicious.

Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c.

RED Currant.

Very small. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

RED CHERRY.

Small fruit, bright, scarlet. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.00.

Prices of the following: Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

TWO PEACH TOMATOES.

Peach shape and color. Red or Yellow.

YELLOW PLUM AND RED PLUM.

Fruit about 2 inches long, 1 inch through; the one is lemon-yellow, the other plum-red.

YELLOW AND RED PEAR.

Distinct shape.

HUSK or STRAWBERRY.

The small yellow fruit is enclosed in a husk. It is very sweet, prized for eating, preserving and making pies.

OTHER STANDARD SORTS

GOLDEN QUEEN.

Golden yellow. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.30; lb., \$4.50.

TROPHY.

Old standard; late. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.30; lb., \$4.50.

EARLY MICHIGAN.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.30; lb., \$4.50.

HONOR BRIGHT.

Fine shipper. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

IMPERIAL.

Early purple. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.



Color Suggestions

THE GREATEST charm of flower arrangements in the modern garden is obtained by skillful combinations of color.

The laws of color which govern flower arrangements, and are followed in planning color schemes in interior decorations, are applicable to garden effects.

Pale tones of a color are known as tints and the darker tones as shades. Tints of different colors may be combined freely as all tints harmonize; but with shades of different colors care must be used to avoid clashes. There are two forms of harmony, harmony by analogy and harmony by contrast. In the first, different shades or tints of a single color are placed together; and in the second, complementary colors are combined. Examples of complementary colors are red and green, violet and yellow, and orange and blue. There are many other contrasts which are delightful, among them pink and blue, yellow and blue, and always dark shades of red, and purple with white. White may be used in any combination, and blue in most. Both serve to bind together other colors. In the garden with a green background, pale flowers must be plentiful, in order that their companions may be seen.

Delphinium Formosum or Indigo, both tall and dark purple, are often combined with Madonna Lilies; indeed "Lilies and Larkspur" are so often seen together that some say the combination is commonplace; but how could anything so lovely be that? The paler hybrid Delphiniums and even Belladonna, are also combined with white Lilies, effectively.

One of the finest plantings in the Iris season, is pale lavender Iris Pallida Dalmatica, in mass, with a contrasting mass of the yellow Ranunculus Asiaticus (Buttercup or Bachelor's button) which flowers at the same time.

Various tones of pink and blue or purple make pleasing contrasts,

among the flowers which give this effect being: Zinnia Colossal Rose Queen and Centaurea Cyanus Double Blue; Tall Snapdragon Rose Queen and Gladiolus Baron J. Hulot; Annual Larkspurs Lustrous carmine and Dark blue; Giant Branching Asters Dark violet and Rose pink; Petunias Rose Queen and Blue Bird.

Orange and lavender form the basis for many striking combinations, among them: Ageratum Mexicanum Coeruleum (18 in.) and Marigolds, Tall African double (24 inches). And among the perennials, the Forget-me-nots (*Myosotis*) and Primroses yellow (*primulas*) which blossom together. The tall bearded Irises give many opportunities for combining lavender and yellow or orange, for example, the dark purple Kochii, and the dwarf golden Mrs. Neubrunner. Gladiolus Bronze Queen and the striking dark purple Gladiolus Sovereign give a wonderful effect together.

A purple and white effect is given by the lavender Aubretias with either white Sweet Alyssum, or the white Candytuft *sempervirens*.

Gray foliage with purple and pink flowers is obtained by using Cineraria maritima, a dwarf edging plant; and Cerastium tomentosum (snow in summer) has white foliage and white flowers.

Stachys lanata with its white woolly foliage is effective in combination with Ageratum mexicanum.

Verbena venosa, a lavender pink, combines well with white Alyssum.

Effective edging combinations are found in Violas Jersey Gem dark violet, and lutea splendens, bright yellow; dwarf Lobelias, dark blue, and dwarf white Alyssum; Lobelias and the dwarf yellow Marigold *Tagetes pumila*, or the dwarf French single Marigold Legion of Honor. A little known but excellent edging plant, Sanvitalia procumbens (6 in.), covered with small double yellow flowers all summer, which combines well with Ageratum Blue Ball.

Color Scheme Border of Perennials

Color Scheme Border of Perennials for \$15.00 (by express, not prepaid). This collection includes 125 plants ready to bloom this year, with diagram for arrangement to produce good form and color balance, with a succession of flowers from late May until killing frosts in the fall. The price for the collection is considerably less than the plants would cost if ordered separately, and the arrangement will be found an excellent one for a space about 4 by 25 feet. The plants in this collection will crowd this space in two years, and if desired may be spread over a considerably larger area at the beginning. The diagram of the planting is given below and the following key shows the plants to be placed in the numbered locations. Where a number is repeated in several locations, divide the plants equally among them.

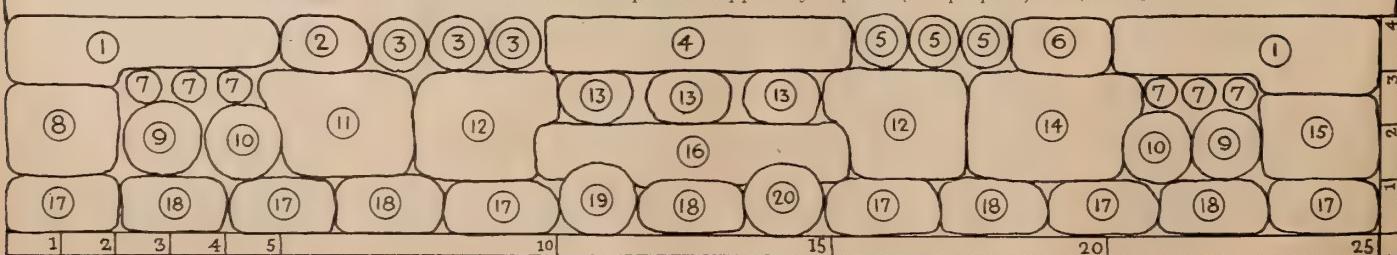
Key No.
on Plan

		No. of Plants
1	Hollyhock.....	Double 12
2	Phlox.....	Thor 3
8	".....	Miss Lassberg 3
15	".....	Rheinlander 3
6	".....	Miss Lingard 3
4	Delphinium.....	Vaughan's Gold Medal Hybrids 6
3	Hardy Astor.....	Climax 3
5	".....	" 3
7	Veronica.....	Spicata 6
11	Pyrethrum.....	Roseum or Hybrids, Pink and Red. 6

Key No.
on Plan

12	Chrysanthemum.....	Large Fld., Out Door Type 14
13	Coreopsis.....	Lanceolata 3
14	Gaillardia.....	Grandiflora 6
16	Columbines.....	Long Spur (Mrs. Elliott) 12
9	Iris.....	Monsignor 6
10	".....	Sherwin Wright 6
19	".....	Gertrude 3
20	".....	Quaker Lady 3
17	Viola.....	Jersey Gem 12
18	".....	Yellow 12

Collection 44X—The above above 125 plants shipped by express (not prepaid) for \$15.00.



Vaughan's Annual Flower Seeds



Surprise Garden Mixture

5848 Our Surprise Garden of Annuals has created a place for itself at the beginning of our colored pages—Yearly our friends find something new and fascinating in it which they include separately in their order the following year. We buy for this mixture surplus stock seed from our growers besides named varieties and separate

ANNUAL flowers are those which grow from seed, bloom, produce seed and die, having fulfilled their cycle of existence in one year. These are listed on the succeeding 29 pages.

Perennials bloom usually the second year from seed. The roots live for several successive years. These are listed on pages 74 to 87.

A garden is not complete without both annuals and perennials, each supplementing the other. These with bulbs, shrubs and trees round out a complete garden picture.

For the sake of accuracy, flower seeds and plants are listed under their botanical names. The popular names, where these are well known, are given in parenthesis. The family name of each flower is printed in bold capitals, underscored, and beneath it, in smaller bold type, are listed the different varieties.

To distinguish with greater exactness the class to which each of the flowers which we

colors of many flowers which are attractive and easily grown but little known. Indeed there are so many flowers produced from early until late in endless succession it is a continual surprise to the gardener.

We suggest it for children's plots, vacant lots and in rows in the vegetable garden with the suggestion—do not plant too thickly. Oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.60.

grow as annuals belongs, the symbols shown in the box to the left have been employed.

Our Special Mixtures deserve particular attention. They are not composed of seed harvested from rogued plants or from plantings in mixed fields, but are made up by us from seed of named varieties. However, a gardener will derive more pleasure if he plants seeds of separate colors or named varieties as then he will be able to control the color scheme in his garden and thereby add to its beauty.

A Little Book of Annuals, by Alfred C. Hottes, is an excellent manual of instruction and suggestion for those who wish to get the maximum effect from these delightful flowers. It is one of the "Little Book" series and describes in detail the technique of sowing, transplanting, watering and cultivating. Model garden layouts are given, and each family of annuals is discussed exhaustively. This book will be sent postpaid for \$1.60.

Key to Symbols

- Annuals.** These attain full growth from seed, flower and die first year.
- * **Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year.
- ① **Perennials.** Tender, grown as annuals.
- ÷ **Greenhouse Plants.** Start inside and cultivate in pots or else transplant outside when danger of frost is over.
- + **Stove Plants.** To be grown inside all the year round for pots only.
- = **Climbing Plants.**

ABRONIA

100 Umbellata Grandiflora (Sand Verbena) □ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers of bright rose with white center; it delights in a dry, poor soil and sunny situations on rockwork. Pkt., 10c.

ABRUS

110 Precatorius (Crab's Eye Vine or Weather Plant) ÷ = 12 ft. This beautiful plant has created a great sensation. Some believe the position of the leaves foretell weather changes. Bears clusters of bright yellow flowers, followed by pods with brilliant red seeds used for making chains, etc. Seeds should be soaked in lukewarm water before planting. Oz., 50c; ptk., 10c.

ABUTILON

120 Mixed (Flowering Maple or Chinese Bell Flower) ÷ 3 to 4 ft. An indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt., 15c.

Vaughan's sheep manure is a safe and excellent fertilizer to enrich the soil in which flowers grow. See Fertilizer page.



Acroclinium Roseum Single Mixed

ACROCLINIUM

140 Roseum □ 2 ft. A pretty Everlasting bearing graceful, daisy-like flowers, pretty, bright rose with yellow center, which, when cut in the bud state can be dried and used for winter bouquets. Pkt., 10c

145 —Flore Albo. Graceful white, daisy-like flowers with yellow center. Pkt., 10c.

150 —Flore Pleno. Double pink Pkt., 10c.

155 —Flore Albo Pleno. Double white. Pkt., 10c

160 —Single Mixed. Pkt., 10c.

165 —Double Mixed. Pkt., 10c.

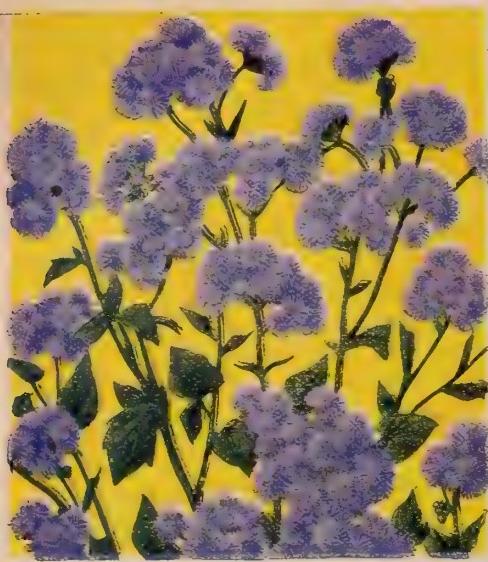
AGAPANTHUS

175 Umbellatus ÷ 1 ft. Bright blue flowers produced in clusters on long stems. Water freely. Pkt., 15c.

AGROSTEMMA

230 Coeli (Rose of Heaven) □ 1 ft. Remarkably pretty, hardy annual of light, graceful habit; flowers light rose, shaded white. This is an annual which should be sown in the vegetable garden (as you would radishes) at different intervals, and a continuous supply of lovely cut flowers can be had all summer. Pkt., 10c.

Be sure and plant some Perennial Seeds this summer for next year's blooming.



Ageratum Blue Perfection

AGERATUM □

One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot, dry summer months their bright flowers are produced in the greatest profusion.

- 180 Mexicanum Coeruleum. 18 in. Beautiful soft lavender-blue, of free branching habit. Pkt., 10c.
- 185 —Album. White. Pkt., 10c.
- 190 —Mixed. Pkt., 10c.
- 195 —Numm. Blue Perfection. 9 in. The darkest Ageratum grown from seed. Pkt., 10c.
- 202 —Imperial Dwarf Blue. 6 in. A charming variety of compact growth, covered with heads of feathery flowers of a deep lavender color. Pkt., 10c.
- 205 —Imperial Dwarf White. Pkt., 10c.
- 208 —Little Dorrit White. The best dwarf white ageratum. Pkt., 15c.
- 215 —Princess Victoria Louise. 6 in. Bushy plants covered with sky-blue flowers with white centers. Pkt., 10c.
- 217 —Tom Thumb Little Blue Star. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c.
- 220 Lasseauxi. 3 ft. Clusters of handsome rose-colored flowers. Pkt., 10c.

AGROSTIS

- 235 Nebulosa (Cloud Grass) □ 1½ ft. An airy and graceful annual grass; looks like a line of mist when in bloom. Beautiful to mix with cut flowers. Pkt., 10c



Alyssum Vaughan's Little Gem

ALONSOA

- 240 Warscewiczi □ 15 in. A fine plant with bright vermillion-scarlet flowers, suitable for bedding. Pkt., 10c.

AMMOBIUM

- 295 Alatum Grandiflorum □ 2½ ft. This pretty white Everlasting should be in every garden. Grows well in sandy soil. Pkt., 10c.

ANAGALLIS

- 305 Grandiflora Mixed □ 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots. Pkt., 10c.
- 307 Grandiflora Coerulea. Dark blue, center deep purple. 10 inch. Pkt., 15c.

ANCHUSA

- 310 Capensis (Summer Forget-me-not). 2 ft. A hardy annual of more than ordinary beauty. It grows about two feet high, branching freely and bearing a profusion of the most lovely flowers similar in all respects to the Forget-me-not, though the blossoms are much larger and of finer color. It blooms early and continues all summer. Pkt., 10c.
- ANGEL'S BREATH—See Gypsophila Elegans.

ANTIGONON

- 315 Leptopus (Mexican Mountain Rose) = Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink. Pkt., 10c.

ANTIRRHINUM—See page 47.

ARGEMONE

- 460 Grandiflora (The Prickly Poppy) □ 2 ft. Lovely plants with an ornamental foliage and large, handsome poppy-like flowers, snowy white, filled in the center with golden stamens, very beautiful. Pkt., 10c.

ARTEMISIA

- 470 Sacrorum Viridis (Summer Fir) □ Ornamental foliage plant. It forms pyramidal bushes 3 to 5 ft. high. The foliage is a rich, dark green color. Pkt., 15c.

ASPARAGUS

- 480 Plumosus Nanus (Lace Fern) + 3 ft. The bright green sprays surpass the Maiden-hair Fern in grace and delicacy of texture. The hard seeds need soaking and bottom heat to sprout them. 10 seeds, pkt., 15c.

- 485 Sprengeri (Emerald Feather) + A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. 10 seeds, pkt., 15c.

ASTERS—See pages 48, 49, 50.

BABY BREATH—See Gypsophila Paniculata.

ASPERULA

- 490 Azurea Setosa □ 1 ft. Numerous sweet-scented pale blue flowers; remains in bloom for a long period. Very effective in a large bed, especially in the early months of the year from autumn sowing. Pkt., 10c.

ALYSSUM □

- 250 Benthami Maritimum (Sweet Alyssum). This is one of the finest annuals we have for edging and is beloved by many on account of its modest blossoms. Flowers white and honey-scented. It begins to bloom early in the season, and continues until frost. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb., \$2.25; ¼ lb., 60c; 2 ozs., 40c; 1 oz., 25c; ½ oz., 15c; pkt., 10c.

- 255 Vaughan's Little Gem, Snow-white Carpet Plant. The plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms they create the impression of a beautiful snow-white carpet. Our strain of this is unquestionably the best in the world, one plant like another, absolutely perfect. 1 oz., 80c; ½ oz., 40c; ¼ oz., 25c; ¼ lb., \$2.60, 1 lb., \$10.00; pkt., 10c.
- 257 Little Dorrit, White. It forms perfect little bushes of 4 inches in height, fairly smothered with miniature white flowers. A gem for edging and beds. Pkt., 15c; ¼ oz., 30c.

- 260 Compactum Lilacinum, Lilac Carpet Plant. Distinct variety with delicate lavender flowers. Very dwarf. Pkt., 10c.



Amaranthus Tricolor (Joseph's Coat)

AMARANTHUS □

Brilliant foliage annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants. Do not grow them too closely together, but give them sufficient room to develop their full beauty. When flowered in small pots under glass they are very charming.

- 265 Atro-purpureus. 4 ft. Beautiful, dark purple flowers. Pkt., 10c.
- 267 Caudatus (Love Lies Bleeding). 3 ft. Drooping red spikes. Pkt., 10c.
- 269 Cruentus (Prince's Feather). 3 ft. Dark red feathery flowers. Pkt., 10c.
- 270 Molten Fire. The top leaves are a fiery crimson, the lower ones maroon. Pkt., 15c
- 273 Salicifolius (Fountain Plant). 3 ft. Willow-leaved. Graceful red and yellow foliage of drooping habit. Pkt., 10c.
- 275 Tricolor (Joseph's Coat). 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. Pkt., 10c.

- 285 Vaughan's Special Mixture. A well balanced mixture of the above and others. ¼ oz., 25c; pkt., 15c.

**ARCTOTIS GRANDIS (African Daisy)**

- 450 It forms much branched bushes 2 to 3 feet high; its daisy-like flowers are pure white on the upper surface, the reverse of petals pale lilac-blue. It delights in a sunny situation. As a cut flower it is especially valuable, the blooms lasting a week or ten days in water, and if undeveloped buds are cut and placed in a sunny window every one will open. Pkt., 10c.



Arctotis Grandis

Antirrhinum (Snapdragon) □

For gorgeous coloring few flowers can match Snapdragons. The flowers are of very large size, very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

Maximum Giant Flowered

These are a wonderful advance in size over all other varieties, each bloom measuring 2 to 3 inches across.

- 410A Appleblossom. Rosy pink, white tube.
 - 410B Bunch of Lilacs. Lilac purple.
 - 410C Canary Bird. Canary yellow.
 - 411 Copper King. (Indian Summer.) Velvetly copper-scarlet.
 - 412 Defiance. Brilliant scarlet.
 - 413 Delicate Shades. A mixture of soft pastel shades.
 - 414 Fairy Queen. Terra cotta.
 - 415 Gotelind. Pale orange with lemon spot on lip.
 - 416 Golden Queen. Bright deep golden yellow with lilac-rose throat.
 - 417 Maralda. Copper-carmine with yellow eye.
 - 418 Old Gold. Deep golden yellow.
 - 419 Purple King. Rich purple.
 - 420 Ruby. Velvet ruby-red.
 - 421 The Rose. Rose pink.
 - 423 Snowflake. Pure snow-white, yellow tube.
 - 424 Maximum or Giant, Flowered Mixed. All the above and others.
- Each of above, pkt., 15c.

Tall Large Flowering, 24 to 36 inches

- 325 Appleblossom. A charming pink shade on a white ground, with a white throat.
 - 328 Brilliant Scarlet.
 - 331 Butterfly. Striped.
 - 334 Coral Red. Dark rose.
 - 337 Delicata. Delicate rose, with white throat.
 - 339 Delila. Carmine and yellow, with white throat.
 - 340 Evening Sky. Beautiful combination of orange, rose, yellow mouth, white throat. Pkt., 15c.
 - 342 Garnet.
 - 345 Golden King. Yellow.
 - 391 Golden Monarch. Splendid golden yellow flowers. Pkt., 20c.
 - 346 Harmony. Rich terra cotta pink with yellow lip.
 - 348 Lovely. White with pink lip.
 - 397 Madonna. Pure white, broad petaled flower. Pkt., 20c.
 - 351 Queen Victoria. Pure snow-white.
 - 353 Rose Queen. Brilliant rose pink.
 - 360 Majus Grandiflorum Mixed.
- Each of above except where noted, pkt., 10c.

Tom Thumb Varieties, 8 inches

These Snapdragons grow about 8 inches in height, are splendidly suited for edgings and pot plants

- 430 Pink.
- 431 Orange.
- 435 Snow Queen. Beautiful white flowers.
- 438 Fireball. Dazzling scarlet.
- 445 Tom Thumb Mixed.

Each of the above, pkt., 10c.



Antirrhinum Vaughan's Special Mixture

- 425 Vaughan's Special Mixture of Snapdragons. Includes all these and many other charming varieties and a packet will furnish you with a never-ending color combination of long-stemmed cut flowers. 1 oz., \$1.50; $\frac{1}{4}$ oz., 40c; $\frac{1}{8}$ oz., 25c; pkt., 15c.



DOUBLE BALSAM

$1\frac{1}{2}$ to 2 ft.

An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant colored double flowers in the greatest profusion. Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart.

- 1010 Alba Perfecta. Pure white.
 - 1012 Atrosanguinea Plena. Double Blood-Red.
 - 1014 Crimson. 1016 Crimson Spotted.
 - 1018 Dark Blue. 1020 Flesh Pink.
 - 1022 Lemon Queen. 1025 Lilac.
 - 1027 Prince Bismarck. Salmon-pink.
 - 1031 The King. Brilliant scarlet.
 - 1033 The Queen. Pale rose.
- Each of the above, pkt., 10c.
- 1040 Double Rose and Camellia-flowered Mixed. Pkt., 10c.
 - 1050 Dwarf Balsams Mixed. 8 in. Perfect little bushes with double and semi-double flowers. The colors are pretty and pleasing. Pkt., 10c.
 - 1055 Goliath White. 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. Pkt., 10c.
 - 1057 Goliath Scarlet. Extremely brilliant, large and very double. Pkt., 10c.
 - 1059 Goliath Chamois Rose. A most pleasing color; new. Pkt., 10c.
 - 1045 Vaughan's Invincible Balsams Mixed. Mixed from separate colors and includes everything that is desirable in Balsams. Pkt., 15c.



Bartonia Aurea

BARTONIA

- 1070 Aurea. □ 12 in. One of the most showy of annuals, excellent both for beds and borders; producing showy, golden-yellow flowers. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Pkt., 10c.

BALLOON VINE

- 995 Love in a Puff. □ = A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-buds resembling miniature balloons. The effect is most odd and curious. Pkt., 10c.

BEGONIA—See page 50.

BALSAM—Apple and Pear

- 1000 Apple (Momordica Balsamina). □ = 10 ft. A very ornamental and quick-growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. This is yellow, looks not unlike an apple—hence its name. When ripe it opens and shows the seeds and blood-red interior. Pkt., 10c.

- 1005 Pear (Momordica Charantia). Known to the Chinese as La-Kwa, for the edible pulpy arils surrounding the seed, also for the edible fruit itself, which is prepared, usually by boiling, before it is ripe. Vine grows 10 ft. or more. Like above, only the fruit is pear-shaped. Pkt., 10c.

- 1008 Apple and Pear Mixed. Pkt., 10c.



Balsam Vaughan's Invincible Mixed



Balloon Vine

Vaughan's Asters



Aster Sunshine

During the late summer and early fall the garden is usually a riot of reds and yellows, so the asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition. The long stems make them desirable for cut flowers and the blooms last long in water. It should be remembered however in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers. Care should be taken to plant Asters in new ground each year and the best results are obtainable if the ground is carefully prepared before sowing. They should have heavy, loamy soil and a sunny open situation with a liberal amount of lime and wood ashes together with bone meal. The plants should be cultivated frequently and tobacco stems are helpful if placed around the stems. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

Dwarf Section, Up to 10 Inches

- 500 Vaughan's Snowball. The best dwarf white aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequalled in any other dwarf aster. Pkt., 15c.
 505 Vaughan's Fireball. The most brilliant dwarf aster. It forms a neat, well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots. Pkt., 15c.
 515 Boltze's Dwarf Bouquet. Mixed, all colors. Pretty little plants of handsome form, completely covered with flowers, each plant forming a neat bouquet. The flowers are the most distinct and delicate shade. Pkt., 10c.
 520 Dwarf Chrysanthemum Flowered. All colors, mixed. Of very compact growth; 3½-in. flowers; free flowering and later than other varieties, therefore valuable for succession. Pkt., 10c.

Semi-Tall Section, 11 In. to 16 In.

Giant Comet

This giant class is an improvement on the old and inferior Comet Class, not only in bearing much larger flowers, but the petals are longer and broader.

- 560 White. 575 Purple.
 565 Yellow. 580 Crimson.
 570 Queen of Spain. 585 Light Blue.
 Soft yellow, turning 590 Shell Pink.
 to flesh. 595 Lavender.
 573 Rose. 597 Dark Blue.
 600 Mixed, all colors.

Each of the above, pkt., 10c.

Heart of France

- 602 Heart of France opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. Pkt., 15c.

Daybreak (Improved American Victoria)

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

550 Mixed, all colors. Pkt., 10c.



Aster, American Beauty Mixed

The Sunshine

Improved Anemone Flowered

ONE of the most attractive novelties. The plants are sturdy and strong, throwing up long flower stalks, making wonderful cut flowers. Some of the flowers have twisted petals and some have quilled petals; all have a cushion center of tiny quills of a contrasting color which makes a flower look as if it were covered with snowflakes. The blue flowers are dotted with a paler blue and some in white, and the rose in a lighter shade of pink or white. Their delicate beauty is hard to describe.

- 885 White.
 886 Dark Blue.
 887 Pink.
 888 Lilac.
 889 Light Blue.
 890 Mixed, all colors.

Each of the above, pkt., 25c.

Semi-Tall Section, 11 In. to 16 In.

Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

- 615 White. 630 Light Blue.
 617 Flesh. 635 Lavender.
 620 Pink. 640 Purple.
 623 Crimson. 643 Dark Blue.
 625 Scarlet.
 645 Mixed, all colors.

Each of the above, pkt., 10c.

Tall Section, 16 Inches and Up

California Giants

A new family of asters produced by a California seed grower and specialist in asters. They combine the robust habit of growth and length of stem that characterizes the Beauty type and the Crego or Ostrich Feather type of flower. A true non-lateral type.

- 686a White. 689a Dark Rose.
 687 Peachblossom. 689 Light Blue.
 688 Dark Purple.
 689b Mixed, all colors.

Each of the above, pkt., 15c.

American Beauty (Late Flowering)

Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. The flowers are fully double to the last.

- 655 White. 668 Lavender.
 656 Azure Blue. 670 Sept. Beauty.
 660 Carmine-Rose. 671 Peachblossom
 661 Crimson. 675 Rose Pink.
 663 Purple.
 680 Mixed, all colors.

Each of the above, pkt., 15c.



Aster, Heart of France

Vaughan's Asters



Aster, Giant Branching Mixed

Tall Section—Continued

American Beauty (Early Flowering)

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long, stout stems. Planted with Crego and Giant Branching will bloom at same time.

681 White.	683 Rose.
681a Peachbloom.	683a Black Prince.
681b Sept. Beauty.	683b Azure Fairy.
682 Carmine-rose.	684 Lavender.
682a Crimson.	685 Purple.
686 Mixed, all colors.	

Each of the above, pkt., 10c.

Giant Crego

The flowers are of immense size and borne on stems twelve inches or more in length. The petals are most attractively curled and twisted, resembling Chrysanthemums. The plants are of strong branching growth and usually attain a height of two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

690 White.	700 Azure Blue.
693 Shell Pink.	703 Lavender.
696 Rose Pink.	709 Purple.
699 Crimson.	710 Dark Blue.
715 Mixed, all colors.	

Each of the above, pkt., 10c

Crown

Large-flowered variety, each bloom of which has a clear white center. It is wonderfully attractive.

730 Mixed, all colors. Pkts., 10c.



Aster Crego, Lavender

825 White.	827 Light Blue.
826 Rose.	828 Dark Blue.
826a Lavender.	
829 Mixed, all colors.	

Each of the above, pkt., 10c.

735 White.	755 Mid Blue.
740 Peachblossom.	760 Lavender.
745 Flesh Pink.	765 Dark Violet.
747 Rose Pink.	770 Purple.
750 Crimson.	

Each of the above, pkt., 10c.

Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

785 White.	803 Crimson.
790 Soft Pink.	804 Sky Blue.
791 Terra Cotta.	806 Silvery Lilac.
792 Vermilion Carmine.	809 Light Blue.
800 Rose.	812 Dark Blue.

820 Mixed, all colors.

Each of the above, pkt., 10c.

King

In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

840 White.	852 Violet.
843 Pink.	856 Lavender.
846 Rose.	857 Dark Blue.
849 Crimson.	
860 Mixed, all colors.	

Each of the above, pkt., 10c.

Moreton Pink

781 Of the Giant Branching type, the large flowers are well formed and freely produced on long stems; color a beautiful clear pink with a salmon sheen. Pkt., 15c.

Royal (Early Flowering Branching)

Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. Medium early bloomer.

865 White.	875 Lavender.
868 Shell Pink.	879 Purple.
871 Rose Pink.	
882 Mixed, all colors.	

Each of the above, pkt., 10c.

Soleil D'Or

835 Golden Sun. This is the best yellow Aster. The quilled flowers are of fair size; they are borne on long stems; the color is a pleasing light yellow. Pkt., 15c.

Other American Varieties

900 Ball's White. Flower is a sphere of pure white petals, borne on a long, stout stem, a mid-season variety. Pkt., 25c.

910 Lavender Gem. The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long, firm stems. Pkt., 15c.

920 Peerless Pink. The flowers are enormous, globular in shape, many five inches across, of a most pleasing rich shell-pink. Pkt., 15c.

925 Crimson Giant. The blood-red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden. Pkt., 15c.

930 White Perfection. A fine new mid-season Aster of tall, upright growth, long-stemmed, pure white double flowers about four inches in diameter, of perfect form, the broad, slightly folded petals being arranged in circular rows, like some Dahlias. Pkt., 15c.

940 Sensation. Flowers double and incurved, resembling a Dahlia and the flower a lively cardinal-red. Pkt., 15c.



Aster, The King

Vaughan's Excelsior Mixture of Tall Asters

990 This is a mixture of the most beautiful, striking and distinct colors of all the tall-growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. $\frac{1}{2}$ oz., 50c; large pkt., 25c; pkt., 15c.



945 Asters, Tall Mixture. The newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included in this mixture. 1 oz., 75c; $\frac{1}{4}$ oz., 25c; pkt., 10c.

Vaughan's Excelsior Mixture of Dwarf Asters

725 It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed, especially selected for this mixture, insuring satisfaction to the grower. $\frac{1}{2}$ oz., 50c; large pkt., 25c; pkt., 15c.



950 Asters, Dwarf Mixture. This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely. $\frac{1}{2}$ oz., 25c; pkt., 10c.



Aster Giant Ostrich Feather Mixed



Aster Vaughan's Excelsior Mixture
Tall Sorts

ASTERS—Continued

Single Marguerite Aster

Plants strong, vigorous and of handsome pyramidal habit, very free-blooming and produce their beautiful flowers on long, slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers.

955 White.	970 Light Blue.
960 Dark Blue.	975 Mauve.
965 Pink.	976 Violet
966 Crimson.	

Each of the above, pkt., 10c.

980 *Marechal Joffre*. Large flowered red. Pkt., 15c.
985 Mixed, all colors. Pkt., 10c.

BRYONOPSIS

1165 *Laciniosa* □ = 10 ft An ornamental climber of the gourd family, bearing green fruit which changes in color to bright scarlet-striped white. Pkt., 10c.

BELLIS PERENNIS FL. PL. *

English Daisy, 6 to 8 inches

A low growing spring flowering plant. Loves a shady place and will reward the gardener with a mass of blossoms for succeeding years if left undisturbed.

1110 *Snowball*. Double pure white. Pkt., 10c.
1113 *Longfellow*. Double dark pink. Pkt., 10c.
1116 *Double Choice Mixture*. Pkt., 10c.
1119 *Mammoth White*. Larger than Snowball. Pkt., 15c.

1123 *Mammoth Pink*. Larger than Longfellow. Pkt., 15c.

1126 *Mammoth Mixed*. Pkt., 15c.

1130 *Monstrosa Double Red*. Pkt., 20c.

1135 *Rosy White, Double*. Frilled. Pkt., 20c.

BIRD OF PARADISE—See *Poinciana* page 64.



Browallia Speciosa Major

BEGONIA

Ever-Blooming Bedding Varieties

A continuous flowering section of begonias of the greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make valuable decorative plants for the house during winter.

- 1078 *Gracilis Luminosa*. Large, bright scarlet flowers. Pkt., 25c.
- 1075 —*Mignon*. Bright salmon-scarlet. Pkt., 15c.
- 1081 —*Prima Donna*. 1 ft. The flowers are a brilliant, clear pink, shading to carmine-rose. Pkt., 25c.
- 1076 —*White Pearl*. White flowers, foliage green. Pkt., 25c.
- 1084 *Semperflorens Atro-purpurea Vernon*. Bright orange-carmine flowers, deep-red foliage. Pkt., 10c.
- 1087 —*A. Martin*. Large, brilliant crimson-scarlet with dark foliage. Pkt., 25c.
- 1088 —*Cardinal (Dwarf Vernon)*. Pkt., 15c.
- 1089 —*Erfordia*. Handsome flowers of a delicate rose color. Pkt., 20c.
- 1091 —*Fire Sea*. Very dwarf, deep green foliage, red flowers. Pkt., 25c.
- 1082 —*Flame of Love*. 1 ft. Brilliant scarlet flowers with shining golden yellow stamens. Foliage bright green, tinted brown. Pkt., 35c.
- 1083 —*Gruppen Konigin*. Lustrous rose flowers, foliage green and brown. Pkt., 35c.
- 1085 —*Glory of Erfurt*. Large rosy carmine flowers. Pkt., 35c.
- 1092 —*Liegnitzia*. Scarlet-carmine. Pkt., 25c.
- 1093 —*Melanie*. The color is white, beautifully edged with pink. Pkt., 25c.
- 1086 —*Salmon Queen*. Large salmon flowers with dark leaves. Pkt., 35c.
- 1094 —*Wuettembergia*. Blood-red. Pkt., 25c.
- 1090 *Semperflorens Mixed*. Pkt., 10c.

Tuberous-Rooted Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias. For greenhouses and for summer bedding they are unequalled. Seedlings raised in heat early in spring will flower the same summer.

1099 *Single Tuberous-Rooted Mixed*. Saved from finest exhibition varieties, all having large, well-formed flowers of many brilliant shades of color. Pkt., 35c.

1100 *Tuberous Rooted, Narcissus Flowered*. Resemble the flowers of the large Trumpet Narcissus. Comes in various colors of scarlet and carmine, light and dark yellow, orange, buff, rosy white, and many new tints of rose from light to dark. Pkt., 50c.

1101 *Lloydii*. This variety is excellent for hanging baskets or window boxes, owing to its drooping habit. The flowers are pendulous, double in form, and in various shades of rose and carmine. Pkt., 50c.

1103 *Double Tuberous-Rooted Mixed*. Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Very striking. Pkt., 50c.

1105 *Frilled Tuberous-Rooted*. Seed saved from selected, best frilled flowers. Pkt., 35c.

BROWALLIA □ 1 ft.

One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

1155 *Speciosa Major*. A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases. Pkt., 15c.

1160 *Elatia Mixed*. Blue and White. Pkt., 10c.

Send a packet of seed of their favorite flowers instead of a card to your gardening friends on their birthdays. Seeds will produce plants followed by flowers, which, long after the natal day is passed, will be a constant reminder of a friend. Cards are destroyed at once and soon forgotten. A packet of seed is secured for 10c—the better sorts for 25c and a few very select at 50c, same price as cards which are perishable. When you place your general seed order have this thought in mind and buy in anticipation of the birthdays to come. Nearly all of our packets are attractively colored.



Brachycome Mixed

BRACHYCOME (Swan River Daisy) □

12 inches

A free-flowering, dwarf-growing annual; covered during the greater part of the summer with a profusion of pretty daisy-like flowers, suitable for edgings, small beds or pot culture.

1140 White. 1146 Mixed.
1143 Blue. 1141 Pink.

Each of the above, pkt., 10c.

Annuals for a Rock Garden

The Alpine plants are really the true rock plants, but many annuals are needed to complete a rock garden. So in answer to many inquiries we suggest the following varieties:

<i>Abronia</i>	<i>Nemophila Insignis</i>
<i>Ageratum</i>	<i>Portulaca</i>
<i>Alyssum</i>	<i>Phlox Dwarf</i>
<i>Anagallis</i>	<i>Sanvitalia Procumbens</i>
<i>Calandrinia Grandiflora</i>	<i>Verbena Erinoides</i>
<i>Leptosiphon</i>	<i>Verbena Venosa</i>
<i>Nierembergia Gracilis</i>	<i>Zinnia Liliput</i>
	<i>Zinnia Haageana</i>

BRIZA

1150 *Maxima (Quaking Grass)*. □ 12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart-shaped and gracefully poised on such slender stems that they are almost constantly in motion. Pkt., 10c.

BURNING BUSH—See *Kochia*.



Briza Maxima



Calendula Orange King

CALENDULA (Pot Marigold), □ 1 ft.

One of the best and showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring.

1190 Orange King. The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. Pkt., 10c.

1191 The Ball. It has fine stems, immense double flower of a brilliant glistenly orange. A great favorite on the Chicago Cut-Flower Market. Pkt., 25c.

1193 Sulphur Queen. Large sulphur-yellow. Pkt., 10c.

1196 Meteor. Apricot-orange, striped primrose. Pkt., 10c.

1197 Pongei Flore Pleno. Double white flowers. Pkt., 10c.

1198 Apricot. A charming and delightful shade, soft yellow with a suggestion of salmon-pink. Pkt., 10c.

1205 Mixed, all colors. For woodlands, wild gardens and perennial borders. Pkt., 10c; oz., 40c.

CALIFORNIA POPPY—See Escholtzia

CACALIA, □ 2 ft.

Each flower is a miniature paint brush of orange-scarlet produced on long wiry stems which make it an excellent cut-flower. An old, but little known annual for the border worth trying.

1170 Tassel Flower or Flora's Paint Brush. Scarlet and orange mixed. Pkt., 10c.



Calendula Mixed

CANNA, □ 2½ to 8 ft.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect. No park, no public garden, private estate, or even moderate town plot is complete in summer without a showing of Cannas. These are usually planted from roots or started plants, but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. A splendid lot of plants may be produced at a much reduced cost.

1310 Giant Flowered, Mixed. Pkt., 10c.

See also Novelties.

For Canna plants, see Page 101.

CALCEOLARIA

1180 Hybrida Grandiflora (Pouchflower). Fine Mixed. + 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. It is not of easy culture, but a very desirable flower. Bears a large profusion of small, pocket-shaped flowers, many of which are beautifully tigereed or spotted. Pkt., 300 seeds, 25c.

1181 Hybrida Grandiflora Graciosa Mixed. A type with very large self-colors of a great variety of colors, especially in the yellow shades. Sow seeds in the spring for blooming in greenhouse next winter. Pkt., 50c.

1185 Rugosa, Mixed. Includes nearly all the beautiful shades found in the Herbaceous Calceolaria. Pkt., 25c.



Candytuft Giant Hyacinth-Flowered White

CANDYTUFT, □

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting, the flowers are greatly prized.

1260 Giant Hyacinth-Flowered White. 1 ft. A grand border plant, bearing very large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. Oz., 85c; ¼ oz., 25c; pkt., 10c.

1270 Queen of Italy. 8 in. Dwarf bushes covered with large pink blooms. Pkt., 10c.

1273 Snowflake. The very sweetest of all. May be planted in fall as ground cover for tulip beds. Pkt., 10c.

1276 Carminea. Carmine rose. Pkt., 10c.

1277 Flesh. Delicate pink. Pkt., 10c.

1279 Purpurea. Crimson. Pkt., 10c.

1282 Rose Pink. Brilliant deep rose-red. Pkt., 10c.

1286 Lilacina. Lilac. A particularly charming color. Pkt., 10c.

1290 Dwarf Hybrids Mixed. Plants of fine, compact growth, covered with large flowers ranging in color from rose, salmon, coral-pink and delicate blush to lilac and purple-crimson. Pkt., 10c.

1300 Mixed, all colors. ½ oz., 15c; pkt., 10c.



Calliopsis Vaughan's Special Mixture

CALLIOPSIS (Tickseed), 6 in to 2 ft.

Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colors are highly appreciated.

1210 Crown of Gold (Coronata Maxima). Splendid cut-flower. Pure golden yellow, 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c.

1213 Golden Ray. 6 to 8 in. Flowers golden yellow with dark, purplish brown center. Pkt., 10c.

1216 Drummondii, Golden Wave. 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye. Pkt., 10c.

1217 Nigra Speciosa. Rich reddish maroon. Pkt., 10c.

1221 Radiata Tigrinia (Tiger Flower). 6 to 8 in. Flowers large reddish brown, turning golden yellow. Pkt., 10c.

1235 Dwarf Varieties, Mixed. Valuable for small mixed beds and borders. Pkt., 10c.

1240 Double Mixed, all colors. Pkt., 10c.

1245 Vaughan's Special Mixture Calliopsis.

This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ½ oz., 30c; pkt., 10c.



Candytuft Mixed



Canary Bird Vine

CANARY BIRD VINE, □ = 15 to 20 ft.

1250 A dainty vine with beautiful cut leaves and pretty, delicate flowers of a clear canary-yellow. From the color of its blossoms and also from a fancied resemblance of their shape to a bird with wings extended, the plant obtained its common name. Does well in the shade. Oz., 50c; pkt., 10c.

CARDINAL CLIMBER, □ = 25 ft.

1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like laciniated foliage and literally covered with a blaze of fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. 2 pkts., 25c; 5 pkts., 50c; pkt., 25 seeds, 15c.

CARNATIONS, □ *

The Carnation has long been prized as a hardy border flower. Being hardy, free-flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favorite with every one. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

1335 American Hybrids. A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession. Pkt., 35 seeds, 25c.

CARNATIONS—Continued

1345 Guillaud Riviera Market. Nearly all double flowers of fine form and delicate shades, including yellow. Pkt., 25c.

1350 Giant Margaret Mixed. Flowers of very large size, measuring 3 in. or more in diameter; colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support. Pkt., 100 seeds, 15c.

1355 Giant Margaret White. Pkt., 50 seeds, 15c.

1360 Margaret, Double Mixed. Pkt., 10c.

1365 White. 1380 Striped.

1370 Yellow. 1385 Red.

1375 Pink.

Each of the above, ptk., 10c.

1390 Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom all winter in the house. Pkt., 100 seeds, 25c.

See Novelties.

**CELOSIA (Coxcomb), □ 8 in.****Cristata or Crested Dwarf Sorts**

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

1410 President Thiers. Fine dwarf habit, with bronzy foliage, and large handsome velvety crimson combs. Pkt., 10c.

1415 Empress. Blood-red combs and brown foliage. Pkt., 10c.

1420 Aurea. Golden yellow combs. Pkt., 10c.

1425 Rosea. Pink combs. Pkt., 10c.

1430 Dwarf Mixed. Pkt., 10c.

1435 Tall Coxcomb Mixed, 18 to 24 in. Pkt., 10c.



Celosia Childsii—Crimson

SPECIAL MIXTURE OF ANNUALS**FOR CUT FLOWERS**

1400 This will produce a glorious amount of flowers for cutting. We would suggest planting this in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has to cut. The secret being not to allow any seed pods to form. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

CENTROSEMA, □ = 10 ft.

A hardy vine of rare and exquisite beauty. Bears in the greatest profusion inverted, pea-shaped flowers, and ranging in color from rosy violet to reddish purple, with a broad feathered white marking through the center, while the large buds and the back of the flowers are pure white.

1610 Grandiflora Butterfly Pea. Pkt., 15c.

We put this symbol on strains of seed we control. We monopolize them because of their merit. Select these special strains when ordering and you will be repaid.



Cardinal Climber

Have you tried Fall Planting of annual flower seeds? It is very interesting and one secures earlier flowers.



Carnation Vaughan's Special Mixture



Centaurea Cyanus Vaughan's Special Mixture

CENTAUREA CYANUS (Bachelor's Button or Cornflower) □ 2 ft.

It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes.

Single Flowering

- 1495 Mixed, all colors. $\frac{1}{2}$ oz., 15c; pkt., 10c.
1525 Dwarf Victoria. 9 in. Edging, blue. Pkt., 10c.

Double Flowering Varieties

- 1500 Pure White.
1505 Blue.
1510 Pink and Rose Shades.
1511 Mauve.
1515 Purple.
1520 Double Mixed.
Each of the above, pkt., 10c.

- 1535 Vaughan's Special Mixture of Bachelor's Buttons, double and single varieties. 1 oz., 60c; pkt., 10c.

Imperialis (Giant Sweet Sultan) $\frac{1}{2}$ ft.

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut will last for several days in good condition.

- 1540 White.
1545 Lilacina. Dark lilac.
1550 Favorita. Brilliant rose.
1560 Splendens. Purple-crimson.
1565 Deep Lavender.
1566 Amaranth. Rich plum color.
1567 Heliotrope.
1570 Imperialis, Mixed, all colors.
Each of the above, pkt., 10c.



Centaurea Imperialis Mixed

CENTAUREA—Continued

- 1590 Vaughan's Special Mixture of Centaureas is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer. $\frac{1}{2}$ oz., 40c; pkt., 10c.

**Various Centaureas**

- 1480 Americana. 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. Pkt., 10c.
1485 Americana Alba. $\frac{1}{2}$ ft. Star Thistle. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c.
1575 Moschata Mixed. Sweet Sultan, white, red and blue. Pkt., 10c.
1580 Suaveolens. Yellow Sweet Sultan. Pkt., 10c.

**White Leaved Centaureas
(Dusty Millers for Bedding)**

- 1595 Candidissima. 10 in. Thick silvery white leaves. Should be sown early. Pkt., 10c.
1600 Gymnocarpa. $\frac{1}{2}$ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c.
Cineraria Maritima Diamond is also known as Dusty Miller.

CHRYSANTHEMUM □

They produce long, stiff stemmed flowers in attractive shades and color combinations. Garfield Park conservatory in Chicago exhibited many of them in the spring show last year. Blooms keep well in water for a long time.

Chrysanthemum
Vaughan's Special Annual Mixed**Single Flowering Varieties**

- 1620 Morning Star. Petals primrose-yellow with halo of deeper yellow; dark yellow disc. Pkt., 10c.
1625 Evening Star. Rich sunflower-yellow, disc dark yellow. Pkt., 10c.
1626 Eastern Star. Primrose with brown disc. Pkt., 10c.
1627 Purpleum W. E. Gladstone. Rich, velvety crimson. Pkt., 10c.
1630 Eclipse (Chameleon). Clear yellow petals with dark disc. Pkt., 10c.
1635 Burridgeanum. Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.
1640 Golden Feather. Foliage striking yellow; flower with a crimson ring near center. Pkt., 10c.
1645 The Sultan. Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.
1650 Northern Star. Large pure white fringed petals with canary-yellow zone around a dark brown eye. Pkt., 10c.
1655 Vaughan's Special Single Mixed. We illustrated these on our front cover in 1925 Pkt., 15c.

Double Flowering Varieties

The coronarium varieties are dwarf selected strains of compact habit and with fine double flowers. They are most valuable border and bedding plants, and provide large quantities of cut bloom during the summer.

- 1656 Coronarium Double White. Pkt., 10c.
1659 —Double Golden Yellow. Pkt., 10c.
1662 —Double Sulphur Yellow. Pkt., 10c.
1695 Vaughan's Special Mixture of Double Chrysanthemums. All the above and others. $\frac{1}{2}$ oz., 25c; pkt., 10c.



Centaurea Cyanus Double Blue

CHRYSANTHEMUM—Continued

- 1700 Vaughan's Special Mixture of Annual Chrysanthemums. Single and double sorts in finest mixture including many new varieties not catalogued. $\frac{1}{2}$ oz., 25c; pkt., 10c.



The following are valuable for pots.

- 1710 Chinese and Japanese Varieties Mixed. If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall. Pkt., 100 seeds, 25c.

CHEIRANTHUS

- 1609 Kewensis (Siberian Wallflower), 12 in. Flowers brilliant orange-yellow. A biennial but it will bloom freely from seed the first year. Pkt., 25c.
1611 Linifolius (Alpine Wallflower). 9 in. Charming hardy annual which may also be treated as a biennial with equal success. Wallflower-like blossoms of an uncommon lilac shade. Pkt., 15c.
CHINESE LANTERN PLANT (*Physalis Franchetii*) is a perennial easily raised from seed and produces its lanterns the second year from seed. See Perennial pages. Number 8345.

CLARKIA □ 2 ft.

Clarkias are popular summer annuals, all perfectly hardy; can be grown with utmost ease in ordinary soil.

- 1740 Apple Blossom. Double apple blossom.
1743 Brilliant. Double salmon-scarlet.
1746 Chamois. Double.
1755 Queen Mary. Double rose carmine.
1760 Salmon-Pink. Double salmon.
1765 Scarlet Queen. Double orange-salmon and develop to a glowing orange-scarlet.
1766 Vesuvius. Fiery scarlet and rose. Pkt., 15c.
1770 White Prince. Very double, pure white. Each of above, except where noted, pkt., 10c.
1790 Vaughan's Special Mixture. Made up especially from the above named varieties. Be sure and include this in your order. Pkt., 10c.



Clarkia Vaughan's Special Mixture



Cobaea Scandens

COBAEA

- 1820 Scandens Cathedral Bells □ = 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and open a clear green, but turn a beautiful purplish lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer.
1825 Flore Albo. White.
1830 Mixed. White and blue.
Each of the above, pkt., 10c.

CINERARIA HYBRIDA + 18 in.

As decorative and ornamental plants for winter decoration the Cinerarias take a foremost place, and may be enjoyed by any one possessing an ordinary greenhouse.

1715 Vaughan's Columbian Mixture. This is a mixture of the finest strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors. Pkt., 60 seeds, 25c.

1720 Good Mixed. Pkt., 10c.

1722 Stellata Mixed. A mixture of blue, red, white and intermediate shades of star-shaped flowers. Pkt., 100 seeds, 25c.

1725 Radiata Polyantha. 2 to 3 ft. The small starry flowers are in many pleasing shades of crimson, rose, blush, white, azure and violet. Pkt., 25c. See also Novelties.

CINERARIA MARITIMA (Dusty Miller)

1730 Maritima, Diamond. White leaved, for bedding only. Pkt., 10c.



Cosmidium Orange Crown

CLEOME

1800 Pungens (Spider Plant) □ 5 ft. A showy garden annual producing curious heads of flowers of bright rose color; of easy cultivation, blooming until late; a good bee plant. Pkt., 10c.

CLIANTHUS

1810 Dampieri (Glory Pea of Australia) + 2 ft. Clusters of bright red flowers with black spot. Pkt., 15 seeds, 25c.

COIX

1850 Lachrymae (Job's Tears) □ 2 to 4 ft. An ornamental grass with curious seeds which may be used as beads. 1 lb., \$1.00; $\frac{1}{4}$ lb., 30c; 1 oz., 10c.

COLEUS

1855 Vaughan's Mammoth Rainbow Mixture \div 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches in length and 8 inches in width, heart-shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich. Pkt., 25c.

VAUGHAN
SPECIAL

1860 Fine Mixed. Pkt., 10c.

1862 Pyrenean Giant. Large leaves with whitish ground dotted with red shades. Pkt., 25c.

COLLINSIA

1870 Mixed □ 18 in. All species are brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. Pkt., 10c.

CORN RAINBOW—See Zea Japonica.



Convolvulus Morning Glory Mixed

CONVOLVULUS (Morning Glory) □ =Major—Tall Varieties

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers.

1887 Rose 1891 Striped
1889 Crimson 1892 Dark Blue

Each of the above, pkt., 10c.

1900 Mixed, all colors. 1 lb., \$1.00; $\frac{1}{4}$ lb., 30c; 1 oz., 15c; ptk., 10c.

1905 Double Mixed. The flowers are double and semi-double and some are fringed. Pkt., 10c.

1910 Double Snow Fairy. The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower. Pkt., 10c.

Minor—Dwarf or Bush Varieties. 1 ft.

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

1920 Mixed, all colors. 1 oz., 15c; ptk., 10c.

COSMIDIUM

1930 Orange Crown □ 2 ft. The flowers are golden yellow with a broad circle of a rich orange around the disc, a pleasing combination. Plants produce a succession of bloom all summer. Pkt., 10c.



Cosmos Double Early Flowering Mixed

COSMOS □ 4 to 6 ft.

One of the most attractive plants for the garden—blooming in early summer and continuing until frost; grows easily; makes a fine symmetrical bush of feathery green foliage covered with lovely long stemmed flowers.

Early Flowering Mammoth

1935 White. 1945 Crimson.
1940 Pink.

Each of the above, ptk., 10c.

1950 Early Flowering Mammoth Mixed, all colors. $\frac{1}{4}$ oz., 20c; ptk., 10c.

1955 Early Harbinger Mixed. Contains new shades such as soft shades of pink, peach, apple blossom, lavender and other intermediate shades, all giant flowered of the early flowering type. Pkt., 25c.

1980 Klondyke. A gorgeous orange-yellow flower with very handsome foliage more coarsely laciniated than others. In the Northern States seed should be sown early in pots and the pots plunged in the ground as the roots have to be confined to produce flowers. Pkt., 10c.

Anemone Flowered or Crown and Crested

These differ from the other cosmos in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remain the same.

1982 Pink Beauty. 1984 Mixed.

1983 White Queen.

Each of the above, ptk., 10c.

Double Early Flowering

These grow to a height of about three feet, forming a perfect bush, massed with bloom, bearing beautiful double flowers of good size, on long stems. They come about 65 per cent double from seed. Illustrated on the cover of our 1924 catalog

1990 Pink.

1991 White.

1992 Crimson.

Each of the above, ptk., 25c.

1994 Above 3 colors mixed. Pkt., 25c.

COMMELINA

1875 Sellowiana \div 1 ft. Plants are of graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butterfly-like blossoms of dainty blue color. Pkt., 10c.

CUPHEA

2000 Platycentra (Cigar Plant) \div 10 in. Small scarlet and black tubular flowers; dark green foliage. Pkt., 20c.

Flower Seeds by Weight

We carry large stocks of all Flower Seeds and shall be pleased to quote larger amounts of the varieties we list upon application.



Cynoglossum Amabile

CYNOGLOSSUM

2015 Amabile Chinese Forget-Me-Not. A lovely plant 18 to 24 inches tall with flowers of a true Forget-Me-Not Blue. Last year we offered this in our perennial novelty pages, but we find now it is one of those plants which is better treated as an annual. True blue flowers are scarce so this and the *Gilia Capitata* are real finds to garden lovers. Grows easily and blooms for a long season. Pkt., 25c.

CYCLAMEN (Alpine Violet) + 1 ft.

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

2010 Giant Flowered Cyclamen. Mixed, extra choice. 10 seeds, 20c; 20 seeds, 30c; 100 seeds, \$1.20.

CYPERUS

2030 Alternifolius (Umbrella Plant) + 1 1/2 ft. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape. Pkt., 10c.

CYPRESS VINE □ = 10 ft.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

2035 White. Pkt., 10c.

2037 Scarlet. Pkt., 10c.

2040 Mixed. 1/2 oz., 20c; pkt., 10c.

2045 Ivy-Leaved Scarlet. A rapid growing variety with deeply lobed, ivy-like leaves, and small scarlet flowers. Pkt., 10c.



Cypress Vine Mixed

DATURA (Angel's Trumpet) □ 3 ft.

Handsome plants for subtropical bedding in summer having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make fine pot plants for the greenhouse.

2100 Cornucopia (Horn of Plenty). Immense flowers, triplicate in form, like three cones, one within the other; color rich violet, with white interior. Pkt., 10c.

2105 Golden Queen. Bright yellow flowers.

2110 Double White.

2115 Double Fine Mixed.

Each of the above, pkt., 10c.

DAHLIA □ 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate easily and from the very first are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

Single Flowering

2055 Collarette, Mixed Colors. Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.

2065 Giant Perfection Mixed. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.



Dahlia Vaughan's Special Mixture

2090 Vaughan's Special Mixture. This mixture contains seeds from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts. Pkt., 60 seeds, 25c.

Double Flowering

2070 Double Good Mixed. Pkt., 10c.

2075 Double Cactus Flowered Mixed. With twisted and curled petals. Pkt., 15c.

2080 Double Best Mixed. Saved from show and fancy sorts. Pkt., 25c.

See also Novelties.

DIMORPHOTHECA

2320 Aurantiaca. (Golden Star of the Veldt.) □ 1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring. Pkt., 10c.

2325 Aurantiaca Hybrida. They vary in color from the purest white to red and blush, white tints, sulphur, lemon and bright golden yellow, light orange, reddish yellow changing to pale salmon-rose. Pkt., 10c.

2326 Ecklonis. A beautiful species of the Cape Marigold, of light graceful habit and bearing elegant white flowers, 3 in. across, with dark blue-spotted centre, reverse of petals blue and mauve; in bloom from spring to autumn. Pkt., 15c.

DELphinium ANNUAL—See Larkspur



Dianthus Special Double and Single Mixed

DIANTHUS**(Annual Garden Pinks) □ 1 ft.**

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly. In our latitude the plants live over winter.

Single Flowering

2190 Crimson Belle.

2193 Eastern Queen. Large and beautiful flowers, marbled rose and white.

2196 Salmon Queen. Salmon-scarlet.

2199 Magpie. Dark red, edged with clear silvery white.

2205 Mirabilis. Petals are deeply cut into fringes. All shades from pure white to deep purple.

2207 The Bride. White with purple center.

2218 Violaceus. Single violet.

Each of the above, pkt., 10c.

2240 Laciniatus Splendens. The flowers are beautifully fringed and come in various shades of red with large white centers and white edges around the petals. Pkt., 20c.

2245 Vaughan's Special Mixture, Single Pinks. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep crimson. son. 1/4 oz. 30c; pkt., 10c.

**Double Flowering**

2255 Salmon. A beautiful shade.

2256 Tom Thumb Brilliant. Dwarf, bright red, double. Pkt., 20c.

2260 Diadematus Mixed. Beautiful flowers in various shades with the outer edges fringed and almost white.

2265 Count Kerchove. Blood-red, black spots.

2272 Brilliant Rose.

2280 Lucifer. Double orange.

2283 Violet Queen. Flowers double brilliant purple, blue-violet colored.

2285 Mourning Cloak. Flowers very dark velvety crimson, each petal being strikingly edged white.

2290 Fireball. Scarlet, compact, floriferous.

2293 Snowball. Compact, fringed white flowers.

2295 Rosalind. Double rose flowers. Pkt., 15c.

2296 Midnight. Double blood-red.

Each of the above, except where noted, pkt., 10c.

2300 Vaughan's Special Mixture of Double Pinks. Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades. 1/4 oz., 30c; pkt., 10c.



2305 Vaughan's Special Mixture of Double and Single Pinks. This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. 1/4 oz., 30c; pkt., 10c.





Didiscus Coeruleus

DIDISCUS COERULEUS

2310 Lavender Lace Flower □ 3 ft. Long-stemmed lavender flowers; look like blossoms of Queen's Lace Handkerchief. A constant bloomer. The culture is not at all difficult, only the seed is somewhat slow in germinating. Pkt., 10c.

DIGITALIS (Foxglove)—See Colored Perennial Pages

DOLICHOS (Hyacinth Bean) □ = 10 ft.

A rapid-growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods.

2330 Princess Helen (Daylight). Snow-white flowers followed by silvery white seed pods. Pkt., 10c.

2335 Purple Soudan (Darkness). Attractive rose-violet flowers with dark ruby-purple seed pods. Pkt., 10c.

2340 Mixed, all colors. 1 oz., 20c; pkt., 10c.

2345 Lignosus (Australian Pea Vine). A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

DRACAENA

2350 Indivisa □ + 2 ft. Ornamental leaved plants, long, narrow, green-leaved foliage. Pkt., 10c.

DUSTY MILLER—See Centaurea and Cineraria.

EXACUM

2445 Affine. Greenhouse plant 1 to 2 ft. high with numerous bluish lilac flowers with yellow stamens of a very delicate fragrance. When sown in March or April, blooms from August or September until late in season. Excellent for basket use and may be used like a primula or a begonia. Pkt., 50c.



Dolichos Mixed

EVERLASTINGS

Winter bouquets of your own growing make an attractive present for a friend, besides supplying during the long, cold winter, when flowers are scarce, a bit of brightness for your own home. The drying is a simple operation. Cut before fully expanded, bunch like sweet peas and hang on a line in a warm, dark, dry room. They will dry thoroughly in ten days.

Annuals

- 140 *Acroclinium Roseum*. 2 ft. Pkt., 10c.
- 295 *Ammobium Alatum Grandiflorum*. Pkt., 10c.
- 2525 *Gomphrena (Globe Amaranth)*. Mixed, all colors. Pkt., 10c.
- 2810 *Helichrysum (Strawflower)*. 2 to 3 ft. Vaughan's Special Mixture. Pkt., 15c.
- 4525 *Rhodanthe*. 1 ft. Mixed colors. Pkt., 10c.
- 4795 *Statice Russian (Suworowii)*. Pkt., 15c.
- 4800 *Bonduellii*. Pkt., 10c.
- 4802 *Sinuata True Blue*. Pkt., 10c.
- 4801 *Sinuata Rosea Superba*. Pkt., 10c.
- 4804 *Sinuata White*. Pkt., 10c.
- 5849 *Xeranthemum Double Mixed*. 2 ft. Pkt., 10c.

Perennials

- 7788 *Echinops Ritro (Globe Thistle)*. Pkt., 10c.
- 7795 *Eryngium Planum (Sea Holly)*. Pkt., 10c.
- 7860 *Gypsophila paniculata fl. pl. (Double Baby's Breath)*. Pkt., 25c.
- 8150 *Lunaria Biennis, Honesty or Peter's Pence*. Pkt., 10c.
- 8345 *Physalis Franchetti (Chinese Lantern Plant)*. Pkt., 10c.
- 8520 *Statice Latifolia (Sea Lavender)*. Pkt., 10c.
- 2440 Everlastings Mixed. 1 to 2 ft. Pkt., 10c.

All the Ornamental Grasses.

Euphorbia Variegata
(Snow on the Mountain)**EUPHORBIA** □ 2 ft.

Strong growing annuals, for beds of tall-growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

2430 *Heterophylla (Mexican Fire Plant)*. Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. Pkt., 10c.

2435 *Variegata (Snow on the Mountain or Mountain Spurge)*. 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. Pkt., 10c.

FORGET-ME-NOT—See *Myosotis*.

FOUR O'CLOCK—See *Mirabilis*

FOXGLOVE—See *Digitalis* in Colored Perennial Pages

ERYTHRINA

2360 *Crista Galli (The Coral Tree)* + 4 ft. A fine plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers. Pkt., 15c.



Escholtzia Vaughan's Special Mixture

ESCHOLTZIA (California Poppy) □ 1 ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers are produced from early spring until frost. Sow the seed where the plants are to remain.

- 2365 *Alba*. Paper white. Bush—See *Hunnemannia*.
- 2370 *Carmine King*. Beautiful carmine-rose color, both on the interior and exterior of the flower.
- 2375 *Canaliculata Rosea*. Beautiful rosy pink.
- 2376 *Chrome Queen*. New, producing flowers of lovely soft buff yellow.
- 2380 *Dainty Queen*. Color tender blush or pale coral pink, deeper towards the edges with a ground of delicate cream.
- 2385 *Golden West*. Flowers bright yellow and orange, penciled and blotched.
- 2387 *Mandarin*. Inner side of the petals orange, the outer side brilliant scarlet.
- 2392 *Mikado*. Flowers lustrous orange-crimson.
- 2397 *Rose Cardinal*. Flowers pretty dark rose, inside blush.
- 2398 *The Geisha*. Orange-red outside, rich golden within.
- 2410 *Double and Semi-Double Mixed*. Each of the above, pkt., 10c.
- 2415 *Vaughan's Special Mixture*. This mixture includes all the varieties here cataloged of the double and single sorts and is the most complete mixture of these charming annuals in existence. Oz., 75c; ½ oz., 40c; pkt., 10c.

EUCALYPTUS

2425 *Globulus (Blue Gum)* + Admirable for sub-tropical bedding or greenhouse decoration. Pkt., 10c.

FREESIAS

These are well known for their delightful fragrance. Seeds should be sown in flats and transplanted after the bulb has formed. Will bloom the first year from seed.

- 2450 *Refracta Alba*. White. Pkt., 10c.
- 2455 *Rainbow Hybrids*. Very attractive because of their unique colorings and shadings. Pkt., 15c.

FUCHSIA HYBRIDA (Ladies' Eardrop)

2460 *Double and Single Mixed* + 1 to 4 ft. Well-known greenhouse plant, blooms from seed first year if planted early. Pkt., 20c.

GAURA

2480 *Lindheimeri* □ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. Pkt., 10c.

GESNERIA

2505 *Robusta Perfecta Hybrids*. This makes a fine pot plant. It belongs to same class as the *Gloxinias* and needs same culture in greenhouse. By regulating their rest period may be brought into bloom at almost any time. Pkt., 50c.



Gaillardia Lorenziana Double Mixed

GAILLARDIA (Blanket Flower) □ 1½ ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

- 2465 *Amblyodon*. Deep red. Pkt., 10c.
2466 *Picta Josephus*. Large red blossoms, edged yellow. Pkt., 15c.
2470 *Picta Single Mixed*. Pkt., 10c.
2474 *Lorenziana Rubra*. Beautiful double red flowers. Pkt., 15c.
2475 *Lorenziana Double Perfection Mixed*. Large handsome heads of double quilled flowers in rich shades of red and yellow. Pkt., 10c.

See also Colored Perennial pages.

GERANIUM □ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

- 2485 *Zonale Varieties*. Saved from a choice collection. Pkt., 10c.
2490 *Large Flowering, Newest Varieties Mixed*. Pkt., 50 seeds, 15c.
2495 *Apple-scented*. Leaves fragrant. Pkt., 25 seeds, 15c.
2500 *Lady Washington (Odier)*. Large flowers, beautifully blotched. Pkt., 10 seeds, 50c.

GERBERA (Transvaal Daisy)

2550 *Jamesoni Hybrids*. They are half-hardy perennials. The daisy-like blossoms, 2 to 4 inches across, being borne on long stems, are unsurpassed as cut flowers. For garden culture in cold climates the plants are wintered over in cold frames. They are easily grown from seed and will commence flowering the first year. The colors include a wilderness of tints, from pure white through yellow, orange, salmon, rose, cerise and ruby-red to violet. Pkt., 25 seeds, 25c.



Godetia Gladiolus Flowered

GLADIOLUS

2540 *Many Varieties Mixed*. Can be grown to produce flowers first year if sown early and will make splendid bulbs for second year blooming. Pkt., 10c.

2545 *Primulinus Hybrids*. Flowers of distinct form and possess the clearest tones and tints of color to be found. The spikes are tall and graceful. 100 seeds, 25c.

GLOXINIA

2560 *Vaughan's International Mixture + 12 in.* Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c. 

2565 *Fine Mixture*. Pkt., 15c.

GOMPHRENA (Globe Amaranth)

A showy annual everlasting with clover-like heads.

- 2506 *Globosa Alba*. White.
2510 *Rubra*. Red.
2515 *Pink*.
2525 *Mixed, all colors*.

Each of the above, pkt., 10c.

2520 *Orange*. Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 15c.



Gourds Mixed



Gilia Capitata

GILIA

2532 *Capitata (Blue Thimble Flower)*. 2 ft. Beautiful bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across, much like Scabiosa. Makes a good cut flower as the blooms last well in water. May also be used as everlasting, as the flowers retain their beautiful color when dried. Pkt., 10c.

2530 *Mixed □ 1 ft.* Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.

2531 *Tricolor*. "Bird's Eyes." 7 inches to 1 foot high. Flowers pale lilac, yellow toward the center, with five purple spots. Charming combination of colors. Pkt., 10c.

GODETIA □ 1½ ft.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

- 2570 *Duchess of Albany*. Pure white.
2573 *Gloriosa*. Deep blood-red.
2576 *Rossmunde*. Fiery rose.
2579 *Lady Satin Rose*. Bright carmine.
2583 *The Bride*. White and red.
2584 *Whitney*. Double pink flowers, excellent for pots. Pkt., 15c.
2587 *Many Sorts and Colors Mixed*.
2598 *Dwarf Sorts Mixed*. Neat globular, about 10 in. in height.

Except where noted, ptk., 10c.

Gladiolus Flowered

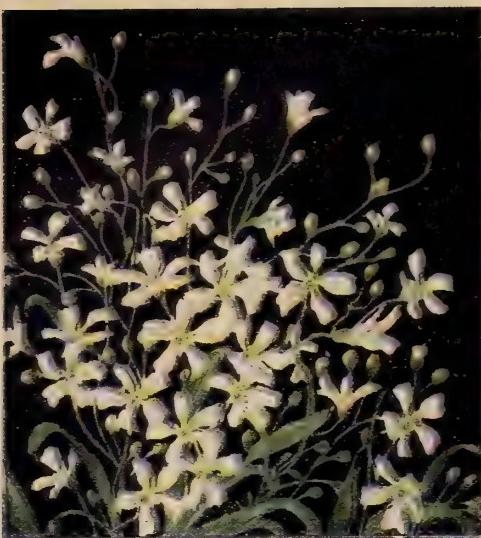
Are quite different from other sorts, inasmuch as they throw up flower spikes much like a gladiolus only more graceful, which are closely set by double flowers in bright and attractive colors. An excellent cut flower.

- 2588 *Gladiolus Flowered Carmine*.
2589 *Gladiolus Flowered Rosy Morn*.
2590 *Gladiolus Flowered Rose*.

Each of the above, ptk., 15c.



Comphrena Mixed



Gypsophila Elegans Grandiflora Alba

GYPSOPHILA □ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.

2680 **Elegans Grandiflora Alba** (Angel's Breath). This is an improved large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply. Oz., 30c; $\frac{1}{2}$ oz., 20c; pkt., 10c.

2682 **Elegans Vivid Rose.** Pkt., 10c.

2683 **Elegans Crimson.** Pkt., 15c.

2685 **Elegans Rosea.** Soft pink. $\frac{1}{2}$ oz., 25c. Pkt., 10c.

2690 **Muralis.** 6 in. A lovely little rock or edging plant with rose-pink flowers. Pkt., 10c.

GRASSES

2670 **Ornamental Mixed** □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil. Pkt., 10c.

Ornamental Grass Collection

235 **Agrostis Nebulosa.** Pkt., 10c.

1150 **Briza Maxima.** Pkt., 10c.

1850 **Cox Lachrymae.** Oz., 10c.

2030 **Cyperus Alternifolius.** Pkt., 10c.

3920 **Pennisetum Longistylum.** Pkt., 10c.

3925 **Pennisetum Rueppelianum.** Pkt., 10c.

6175 **Zea Japonica Quadricolor Perfecta.** Pkt., 10c.

GREVILLEA

2675 **Robusta** (Silk Oak) \div 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth; with its long, drooping, silky foliage. Excellent for fern dish use. In California and Florida develops into an ornamental tree. Pkt., 10c.



Heliotrope Mammoth Mixed

HELIANTHUS (Sunflower) □

These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and subtropical gardening; the dwarfer kinds, with smaller flowers, are charming when grouped in mixed flower borders.

Large Flowered Tall

2700 **Annuus Purpureus, Gaillardia-flowered** or Red Sunflower. 4 to 8 ft. Some flowers of a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary in size, and are of good form, usually having a small disc, and often two rows of long, slightly curled rays. Pkt., 10c.

2704 **Intermediate Sanguineus Excelsior.** The new blood-red sunflower. A cross between the *Helianthus cucumerifolius* *purpureus* and the *Helianthus annual purpureus*, from the former it secured its elegant growth, while the latter furnished the large size of the magnificent red flowers. Pkt., 15c.

2705 **Argyrophyllus.** 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. A specimen plant will attain the shape of a Christmas tree, the flowers having the effect of candles. Pkt., 10c.

2707 **Californicus Fl. Pl.** 5 ft. Double dark yellow. Pkt., 10c.

2709 **Chrysanthemum Flowered Double.** 6 ft. Golden yellow flowers. Pkt., 10c.

2715 **Double Mixed.** Pkt., 10c.

2717 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or dahlia sunflower. Flowers a rich saffron color. Pkt., 10c.



Helichrysum Vaughan's Special Mixture

HELICHRYSUM (Strawflower)

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place.

2770 **Silver Ball.** 2785 **Rose Queen.**
2775 **Fire Ball.** 2790 **Salmon Queen.**
2780 **Golden Ball.** 2795 **Violet Queen.**

Each of the above, pkt., 10c.

2800 **Mixed, all colors.** Pkt., 10c.

2810 **Vaughan's Special Mixture.** This mixture of Helichrysum is an improved large-flowered strain containing many new and exquisite shades. Illustrated on our 1917 catalog cover. $\frac{1}{4}$ oz., 25c; pkt., 15c.



Helianthus Cucumerifolius

2722 **Nanus Flore Pleno.** 2½ ft. Double dwarf, beautiful for massing in beds. Pkt., 10c.

2725 **Russian Mammoth.** Single, of gigantic dimensions. A couple of rows of sunflowers planted on the outside of the poultry yard fence will serve a double purpose. They will make splendid shade and provide good feed. 1 oz., 5c.

Miniature-Flowered

The *Helianthus cucumerifolius* form spreading bushes with small graceful foliage and bear a multitude of small elegantly formed flowers, which are borne for a long time in succession, and are invaluable as cut flowers.

2727 **Cucumerifolius.** Charming small flowers, rich golden yellow with brown-black center. Pkt., 10c.

2735 **Stella.** Large golden yellow petals; small, dark center. Pkt., 10c.

2737 **Orion.** Petals rolled, resembling Single Cactus Dahlia. Pkt., 10c.

2740 **Purpureus.** Flowers shades of red and yellow. Pkt., 10c.

2745 **Double Hybrids.** Double and semi-double flowers. Pkt., 10c.

2750 **Liliput, Baby Sunflower.** 6 to 8 in. The plants are of a somewhat creeping growth, similar to those of Verbenas. Flowers are single, bright yellow, dark disk. Pkt., 10c.

2755 **Vaughan's Special Mixture.** Includes all the above of *cucumerifolius* varieties. $\frac{1}{4}$ oz., 20c; pkt., 10c.

2760 **Vaughan's Special Mixture** of all the single and double Sunflowers.  $\frac{1}{2}$ oz., 25c; pkt., 10c.



Hunnemannia Bush Escholtzia



Japanese Morning Glory
Vaughan's Special Mixture

HOLLYHOCKS (Annual) □ 5 ft.

The perennial varieties flower only the second year if grown from seed, these annual kinds, however, bloom the first year, and if sown in the open ground in May, they will be in flower in August, but if started indoors and set out in May, they will bloom in July.

2840 Everblooming Single Mixed. Large single flowers, exhibiting every shade known in Hollyhocks. Pkt., 10c.

2845 Everblooming Double Mixed. Double and semi-double. Pkt., 10c.

(For other Hollyhocks see Perennial List printed in colors.)

HONESTY—See Lunaria in perennial pages.

HUMULUS JAPONICUS (Japanese Hop)

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it.

2850 Green Leaved. Pkt., 10c.

2855 Variegated Leaved. The large, handsome leaves are beautifully variegated white, green and yellow. Pkt., 10c.

HUNNEMANNIA

2860 Fumariaefolia (Bush Escholtzia, or Yellow Tulip Poppy) □ 1½ ft. The plants grow into a shrubby bush and produce their large cup-shaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow; the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks. Pkt., 10c.

HYACINTH BEAN—See Dolichos.



White Moonflower

ICE PLANT

2870 Mesembryanthemum Crystallinum □ 6 in. Foliage very ornamental, being covered with ice-like globules and prized for garnishing; a valuable plant for dry, sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt., 10c.

IMPATIENS (Zanzibar Balsam)

÷ □ 1½ ft.

One of the prettiest plants for pot culture and also for outdoor planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.

2875 Holstii. Of rapid and vigorous growth and producing large flowers of a brilliant salmon-scarlet. Pkt., 15c.

2880 Holstii Hybrids. They range in color from pink through the red shades to purplish violet. Pkt., 15c.

2881 Sultani. Bright rose. Pkt., 15c.

2882 Sultani Hybrida. Colors range from pale pink to dark crimson. Pkt., 15c.

IPOMOEA □ = 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

2895 Bona Nox (Evening Glory). Violet flowers. Pkt., 10c.

2900 Coccinea (Star Ipomoea). Small scarlet flowers in great profusion. Pkt., 10c.

2905 Mexicana Grandiflora Alba (White Moon Flower). Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Pkt., 10c.

2910 Mexicana Grandiflora, Giant Pink. Soft lilac-pink flowers. Pkt., 10c.

2915 Imperialis (Japanese Morning Glory), Fine Mixed. The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. 1 lb., \$1.50; ¼ lb., 55c; 1 oz., 20c; ½ oz., 15c; pkt., 10c.

2925 Vaughan's Special Mixture, Japanese Morning Glories. The colors run from snow-white through all possible shades of blue and red, from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. ¼ lb., \$1.00; 1 oz., 30c; ½ oz., 20c; pkt., 10c.

2930 Lærissi. Satiny blue with crimson bars. A good greenhouse climber. Pkt., 10c.

2935 Rochester. Flowers 4 to 5 in. across, deep violet-blue in the throat, blending out to an azure-blue, bordered with a wide white band around the edges. Pkt., 10c.

2940 Rubro-Coerulea (Heavenly Blue). Large deep pure sky-blue flowers, delicately shading to white toward the center. A favorite of Mrs. Francis King. Should be grown in pots to confine the roots to produce flowers. Pkt., 10c.

For Early Flowering Rubro Coerulea—See annual novelty pages.

2950 Setosa (Brazilian Morning Glory). The stems and leaf stalks are covered with reddish brown hairs. The deeply lobed leaves are about 9 inches across; flowers about 2 inches in diameter, of delicate texture, tinted pink with a five-pointed star of satiny pink, and are followed by curious seed pods. Pkt., 10c.

ISOLOMA

2960 (Hirsutum Multiflorum Hybridum) + The large leaves, which are of a texture similar to those of the Gloxinia are of a rich dark green; the reverse of them, as well as the flower stalks, are covered with bright red hair. The flowers are produced in abundance and in various colors and color combinations. The plants grow from 12 to 18 inches high, are bushy and require no staking. Seed sown in January or February will bloom in June or July, and will continue to flower until winter without cessation. This is a most desirable pot plant. Pkt., 50c



Kochia Childsii

KOCHIA

2965 The New Giant (Summer Cypress, Burning Bush) □ 2½ ft. This beautiful annual bush has rapidly come into prominence. It resembles a close-clipped ornamental evergreen. The globe-shaped or pyramidal bushes are close and compact and of a pleasing light green color. The plant may be grown singly or in the form of a hedge or background. In early autumn the whole bush becomes carmine or blood-red, whence the name of Mexican Fire Plant, Burning Bush, etc. Flowers small and numerous, but not conspicuous. The beauty of the plant is in its shape and color. ½ oz., 15c; pkt., 10c.

JOB'S TEARS—See Coix Lachrymae.

KUDZU VINE—See Pueraria.

LAVENDER LACE FLOWER—See Didiscus Coeruleus.

IONOPSISIDIUM

2890 Acaule (Violet Cress) □ 3 in. A lovely miniature rapid-growing and early flowering plant, forming dense tufts of foliage smothered in tiny, pale lilac flowers. Pkt., 10c.

LAVATERA □ 2½ ft.

The Lavateras or Annual Mallows are showy and effective plants, covered during the entire summer with bloom. For large borders and cutting they are very desirable.

2935 Splendens Alba. Very large, silky, pure white flowers. Pkt., 10c.

2990 Splendens Rosea. Very large, bright rose flowers. Pkt., 10c.



Lavatera Splendens Rosea



Annual Larkspur Vaughan's Special Mixture

LARKSPUR

These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring.

Stock-Flowered

- | | |
|----------------------|-----------------------|
| 2120 Dark Blue. | 2135 Lustrous Carmine |
| 2121 Dark Rose. | (Newport Pink). |
| 2125 Exquisite Pink. | 2140 Sky-Blue. |
| 2127 Flesh Pink. | 2145 White. |
| 2130 Lilac. | |
- Each of the above, $\frac{1}{8}$ oz., 25c; pkt., 10c.
 2150 Mixed, all colors, Oz., 60c; $\frac{1}{4}$ oz. 20c; pkt., 10c.
 2160 Dwarf Rocket Mixed. 1 ft. Pkt., 10c.
 2165 Emperor Mixed. Produces an abundance of long, slender spikes in the most delicate colors. Pkt., 10c.
 2170 Vaughan's Special Mixture. Annual Larkspurs. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. Illustrated on the cover of our 1923 catalog. 1 oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt., 10c.
 See also Perennial pages and Novelties.

**LEPTOSIPHON**

3000 French Hybrids □ Free flowering hardy annuals, useful for edging and rockwork. Plants are thickly studded with charming bright flowers of various colors. Pkt., 10c.



Leptosyne Maritima

LANTANA

- 2975 *Hybrida*, Mixed + 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.
 2980 *Dwarf Hybrids*. Mixed. Pkt., 15c.

LEPTOSYNE

- 3010 *Stillmani*. 1½ ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden yellow flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.
 3015 *Maritima*. (Sea Dahlia.) 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Treat as a half-hardy annual and give a sunny situation. See illustration. Pkt., 10c.

LIMNANTHES

- 3016 *Douglasi*. Marsh flower, yellow and white, fragrant, annual. Pkt., 15c.

LINARIA

A very pretty family of graceful plants, all thriving in hot and sunny situations.

- 3017 *Maroccana* *Hybrida Excelsior*, Mixed. Annual, very effective. Pkt., 15c.

LINUM

- 3020 *Grandiflorum Rubrum* (Crimson Flax) □ 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. Pkt., 10c.



Lobelia Bedding Queen

LOBELIA ERINUS COMPACTA

This charming class forms compact little bushes about 6 inches high and are fairly sheathed with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

- 3040 *Bedding Queen*. Dwarfest, best for ribbon bedding. Flowers deep purplish violet, with clear white eye. Pkt., 10c.
 3045 *Crystal Palace Compacta*. Deepest blue, dark foliage. Pkt., 10c.
 3050 *Emperor William*. Clear sky-blue, with green foliage. Pkt., 10c.
 3051 *Prima Donna*. Rich velvety crimson. Pkt., 15c.
 3055 *Pumila Rosea*. Dwarf pink. Pkt., 10c.
 3067 *Tenuior*. Large flowered. Dark blue. Pkt., 15c.

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

- 3060 *Speciosa*. True dark blue, dark foliage. Pkt., 10c.
 3061 *Hamburgia*. Sky-blue with white eye. Pkt., 10c.
 3065 *Sapphire*. Large, deep blue flowers, with a pure white eye which occupies one-third of the corolla. Pkt., 15c.
 3070 Mixed colors. $\frac{1}{8}$ oz., 15c; pkt., 10c.

LOPHOSPERMUM

- 3072 *Scandens*. (Climbing Foxglove.) 10 ft. An exceedingly handsome half-hardy climber with large pink flowers. Pkt., 25c.



Lupinus Tall Annual Mixed

LUPINUS □ 2 ft.

Free flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade.

- 3075 *Hartwegii*, White. Pure white flowers.
 3080 Oxford Blue. Dark blue.
 3085 Cambridge Blue. Light blue.
 3090 Roseus. Rose colored flowers.
 3095 Annual Yellow. Beautiful canary yellow. Each of the above, pkt., 10c.

- 3105 Tall Annual Varieties, Mixed. 1 oz., 30c; pkt., 10c.
 3110 Dwarf Annual Varieties, Mixed. 1 ft. Pkt., 10c
 (See also Perennials.)

MARIGOLD—See next page.

MARVEL OF PERU (Four o'Clocks)

This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season of white, yellow, crimson and violet. Very charming when used as a hedge plant, rivaling the privet, with its glossy foliage very closely set and dotted all over in the afternoon with a multitude of fairy flowers. It is a little known fact that roots of these may be lifted in the fall and stored like Dahlias and the tubers planted in spring. It will result in larger plants, stronger, and with more flowers. Sometimes called "Mirabilis Lily."

- 3305 Red.
 3306 Rose.
 3307 Lilac.
 3308 Yellow. Each of the above, 1b., \$3.00; oz., 30c; pkt., 10c.
 3295 Mixed, all sorts and colors. $\frac{1}{4}$ lb., 50c; 1 oz., 15c; pkt., 10c.
 3297 Dwarf Mixed. 12 in. Pkt., 10c.
 3310 Sweet-Scented (Longiflora Alba). White. Pkt., 10c.



Marvel of Peru (Four o'Clocks) Mixed



Marigold Vaughan's Special Tall Mixed

MARIGOLD (Tagetes) □

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable. The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class.

Double Tall African Varieties 5 ft.

- 3125 **Eldorado.** Extremely large imbricated double flowers in yellow shades. Pkt., 10c.
 3130 **Lemon Queen.** These are lemon color, but the formation of the flower is exactly like the Orange Queen. Pkt., 10c.
 3135 **Orange Queen.** Large, perfect, double quilled flowers of a rich, deep, golden orange color. Very attractive. Pkt., 10c.
 3136 **Vaughan's Special Mixture of Tall French varieties.** Pkt., 15c. Illustrated on cover of our 1926 catalog.
 3150 **Vaughan's Special Mixture Tall Marigolds.** This mixture includes both the African and French sorts. A packet will give you flowers of enormous size in a wonderful assortment of color, in shades of yellow, cream, orange, rusty brown, old gold, etc. $\frac{1}{4}$ oz., 20c; pkt., 10c.
 3155 **Tall French Striped.** Flowers have a yellow ground, with rich brown markings. Pkt., 10c.
 3157 **Tall French Josephine.** Single dark brown with an edging of old gold, and a glint of crimson, with petals of rich velvety texture, borne on long stems. Pkt., 10c.

Double Dwarf African

- 3160 **Mixed (Pride of the Garden).** 15 in. Immense golden yellow flowers, compact dwarf habit forming dense bushes. Pkt., 10c.



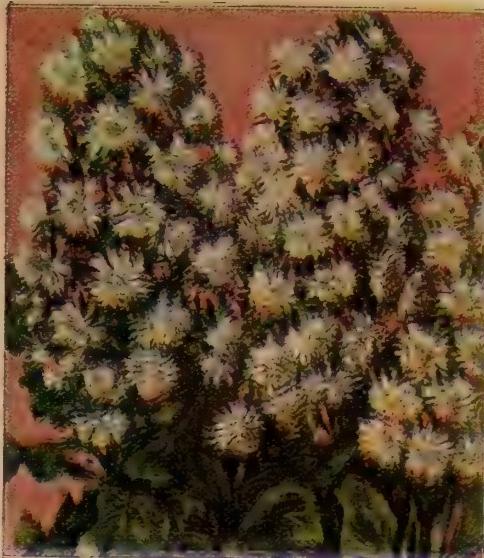
Marigold Vaughan's Special Dwarf Mixture

MARIGOLD—Continued

- Dwarf French Double Sorts 10 in.**
 3165 **Gold Striped.** Velvety maroon, striped gold Pkt., 10c.
 3166 **Robert Beist.** Shining purple-scarlet. An unusual shade. Pkt., 20c.
 3175 **Vaughan's Special Mixture of Dwarf Marigolds, Double and Single Varieties.** These dwarf, compact strains are very attractive, each plant being covered with hundreds of small, bright flowers. $\frac{1}{4}$ oz., 20c; pkt., 10c.

**Single Dwarf Varieties**

- 3180 **Gilt Edge.** Velvet maroon, edged with yellow. Pkt., 10c.
 3185 **Golden Star.** Flowers have golden yellow petals with purple-red streaks radiating from the center. Pkt., 10c.
 3190 **Legion of Honor.** Flowers rich golden yellow, marked with velvety brown. Best for edging. Pkt., 10c.
 3200 **Signata Pumila.** A miniature Marigold forming compact little plants 6 to 8 inches high, and completely covered with flowers, which are bright yellow with brown stripe down the center of each petal. Very striking for edgings. Sow the seed in spring in boxes and transplant. Pkt., 10c.
 3201 **Signata Pumila. Golden Ring.** Pure golden yellow flowers. Pkt., 15c.



Mignonette Giant Machet



Marigold Legion of Honor

MATRICARIA

- 3205 **Capensis Fl. Pl. (Feverfew)** □ 3 ft. Neat, small, double white flowers well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as annuals. Pkt., 10c.
 3208 **Eximea, Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.

MALOPE (Mallow-Wort) □ 2 ft.

- Showy plants for large mixed flower and shrubbery borders. The flowers are large and handsome.
 3115 **Alba.** Large white flowers. Pkt., 10c.
 3120 **Rosea.** Flowers large, blush, shaded pink toward center. Pkt., 10c.

MATTHIOLA

- 3212 **Bicornis (Evening-scented Stock)** □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a considerable distance. $\frac{1}{4}$ lb., 80c; 1 oz., 30c; pkt., 10c.

MAURANDIA

- 3215 **Mixed** □ = 10 ft. Slender grower and abundant bloomer. Very desirable for greenhouse and garden. Elegant Gloxinia-like flowers, which range through white, rose, blue and purple in color. Pkt., 10c.

MELOTHRIA

- 3220 **Punctata** □ = 10 ft. (Musk Vine) (Pilaginea Suavis). Blooms in clusters; flowers small, white and star-shaped, with a strong musk fragrance; leaves green, small and glossy. May be cut down to 6 inches after summer's growth, potted and taken inside. Fruit resembles tiny watermelons. Pkt., 10c.

MIGNONETTE (Reseda) □ 6 to 12 in.

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

- 3225 **Bismarck.** The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious. Pkt., 10c.

- 3230 **Golden Queen.** Yellow. Pkt., 10c.

- 3235 **Goliath.** Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 inches long by 2 inches in diameter. Pkt., 10c.

- 3240 **Giant Rocket.** 1 ft. The largest and most robust variety. The flowers are wonderfully fragrant and produced in great abundance. Many plants carry 50 to 60 spikes of bloom, each 14 to 18 inches long. Pkt., 15c.

- 3245 **Machet.** It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. $\frac{1}{4}$ oz., 25c; pkt., 10c.

- 3246 **New York Market.** This is an extra choice strain of Mignonette for greenhouse culture. The plants grow from 2 to 3 feet high and produce flower spikes up to 20 inches long, according to the quality of the soil, weather and treatment. Pkt., 25c.

- 3250 **Pyramidal Large-Flowering.** Tall-growing variety. Pkt., 10c.

- 3260 **Mixed.** Many shades and types. Pkt., 10c.

MINA

- 3290 **Lobata** □ = 12 ft. A climber of luxurious growth, with tube-shaped flowers; produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange-yellow to creamy white when fully expanded. Pkt., 10c.

MORNING GLORY—See *Convolvulus* and *Ipomoea*.

MOURNING BRIDE—See *Scabiosa*.

MIMOSA

- 3270 **Pudica (Sensitive Plant)** □ 1 ft. Curious and interesting, pinkish white flowers; the leaves close and droop when touched or shaken. Pkt., 10c.

MIMULUS

- 3275 **Moschatus (Musk Plant)** □ Musk-scented leaves, tiny yellow flowers. Pkt., 25c.

- 3280 **Tigrinus (Monkey Flower)** □ 10 in. Queen's Prize, Single Mixed. Dwarf bushy plants, with large Gloxinia-like flowers, ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Does best in partial shade. Pkt., 10c.

- 3285 **Tigrinus Fl. Pl. (Double Monkey Flower) Mixed.** Pkt., 10c.

MUSA

- 3315 **Ensete (Banana Plant)** + 6 ft. A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. The seeds must be started in hot-bed or on bottom heat in greenhouse. 16 seeds, 20c.

MUSK PLANT—See *Mimulus*



Myosotis (Forget-Me-Not)

MYOSOTIS (Forget-Me-Not)

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Respond to good treatment and flourish in shady, moist situations. The national flower of Belgium.

3320 Alpestris Blue. Trailing habit. Pkt., 10c.
3325 Alba. White. Pkt., 10c.
3330 Rosea. Pink. Pkt., 10c.
3345 Mixed. Pkt., 10c.

3331 Messidor. Large indigo blue flowers on long stems which makes it a good cut-flower variety. Pkt., 25c.

3335 Eliza Fonrobert. Flowers large, sky-blue, with clearly defined white eye. Pkt., 10c.

3340 Victoria. The flowers are large, bright azure-blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging. Pkt., 10c.

3350 Star of Love. Distinct variety with large beautiful blue flowers. Pkt., 25c.

See also Novelties, and colored perennial pages.

NEMESIA □ 1 ft.

Free-blooming dwarf bushes for pot culture and open borders. Sow in spring under glass, and transplant; or sow out of doors in May, in patches, where they are intended to flower.

3360 Large Flowered Mixed. 1 ft. Is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt., 10c.

3365 Blue Gem. One of the best blue annuals for bedding; 7 inches. Pkt., 10c.

3368 Scarlet. Pkt., 10c.

3372 Orange. Pkt., 10c.

3373 Rose. Pkt., 10c.



Nemesia Large Flowering Mixed

Vaughan's Nasturtiums

For ease of culture, duration of bloom, no annual excels the Nasturtium. Needing only moderately good soil in a well-drained, sunny location, they vouchsafe us a profusion of their gorgeous blossoms. The tall varieties are freest bloomers and produce the largest flowers.

Tall Sorts

- 3580 Chameleon.** Is unique in bearing flowers of quite distinct coloring on the same plant.
3585 Dunnett's Orange. Bright orange.
3590 Edward Otto. Brownish lilac.
3591 Firefly. Flowers yellow-spotted, cardinal red.
3593 Fordhook Fashion. Terra cotta on yellow ground, dark-leaved.
3596 General Jacqueminot. Rich crimson.
3615 King Theodore. Rich, deep crimson flowers, dark leaves.
3616 King of the Blacks. Black-red.
3620 Pearl (Moonlight). Creamy white.
3625 Prince Henry. Yellow, marble-scarlet.
3640 Emperor of India. Very dark foliage. Rich, deep scarlet flowers. The best red.
3645 Twilight. Yellow, marbled-salmon rose.
3650 Vesuvius. Salmon-rose, dark-leaved.
 Price, each of the above, pkt., 10c; oz., 20c.

Ivy-Leaved

- 3740** All with fine fimbriated petals. Color intense and very striking. Foliage also very beautiful, like Ivy, and vines exceedingly graceful.
 Mixed colors. Pkt., 10c; oz., 20c.

Fancy and Variegated-Leaved Varieties

- 3656 Golden Cloth.** Scarlet with yellow foliage.
3665 Variegated-Leaved Varieties. Many colors mixed. These are of the trailing and climbing class with exquisitely beautiful foliage and very showy flowers. Leaves light green, beautifully marbled and blotched with white. Makes a striking vine with its bright blossoms of many colors.
 Each of above, pkt., 10c.

**3745 Vaughan's Special Mixture of
Tall Nasturtiums**

We call especial attention to this mixture. In it will be found all the choicest colors of all the Tall Nasturtiums, the rich, velvety Lobb's varieties, Canary Bird Creeper and the new variegated-leaved varieties. 1 lb., \$1.50; $\frac{1}{4}$ lb., 40c; 1 oz., 15c; pkt., 10c.

COLLECTION No. 1**Dwarf Nasturtium, 10 Varieties**
Our choice, 1 pkt. each, 75c.**COLLECTION No. 2****Tall Nasturtium, 10 Varieties**
Our choice, 1 pkt. each, 75c.**SPECIAL OFFER No. 3**

1 pkt. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 15c.

SPECIAL OFFER No. 4

1 oz. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 25c.

The Canary Bird Vine belongs to the nasturtium family and is a dainty little climber which does well in shade. See page 52.



Dwarf Nasturtium Vaughan's Special Mixture

Dwarf Sorts

They are suitable for a bedding and edging, grow quickly and furnish the greatest abundance of long-lasting, sweet-scented cut flowers.

- 3460 Aurora.** Chrome yellow, blotched crimson.
3463 Beauty. Scarlet splashed-canary.
3466 Bronze. Burnt bronze color, dark-leaved.
3469 Chameleon. Is unique in bearing flowers of quite distinct coloring on one plant.
3472 Crystal Palace Gem. Sulphur-spotted mallow.
3475 David Burpee. Velvety purple-scarlet flowers wavy, emerald green.
3480 Empress of India. Very dark leaves, crimson flowers.
3485 Golden King. Pure golden yellow.
3490 King of Tom Thumbs. Intense deep scarlet, dark foliage.
3495 King Theodore. Deep red flower, dark foliage.
3500 Laciniatum Mixed. The flowers are deeply laciniated and appear in many attractive colors.
3505 Lady Bird. Orange, striped scarlet.
3508 Pearl. Creamy white.
3520 Ruby King. Ruby-red, dark-leaved.
3525 Scarlet. Dark scarlet.
3530 Vesuvius. Salmon dark-leaved.
3535 Yellow.

Price, any of preceding, pkt., 10c; oz., 20c.

Fancy and Variegated-Leaved Varieties

- 3540 Golden Cloth.** The foliage is of bright yellow, while the flowers are intense scarlet.
3545 Ivy Leaved Mixed. Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat.
3550 Spencer, Mixed. The curly foliage is very unique and the flowers appear in many bright colors.
3555 Variegated-Leaved Mixed.

Price, each of above, pkt., 10c; oz., 20c.

**3570 Vaughan's Special Mixture of
Dwarf Nasturtiums**

This mixture is put up by ourselves from named sorts, and contains a large share of the Liliput and the dwarf Chameleon, which have the richest and most varied combination of colors.

1 lb., \$1.50; $\frac{1}{4}$ lb., 45c; 1 oz., 15c; pkt., 10c.

3871 Vaughan's Rainbow Collection of Giant Pansies. 7 regular sized pkts. for 50c. One each of the following separate packets: Adonis, Cardinal, Emperor William, Madam Perret, Prince Bismarck, White with eye, Yellow with eye.



PANSIES, with their little flower faces are an inspiration to the poet and to the gardener.

Shakespeare says—"Pansies for thoughts," and every time we look at a pansy flower we think of the wonderful gift to man of this particular little "step-mother" flower, as the Germans lovingly call this blossom.

3750 **Adonis.** Light blue with white margin. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3751 **Apricot Queen.** A very pretty apricot, shaded yellow, rather small flower. $\frac{1}{8}$ oz., 50c; pkt., 20c.

3756 **Azure Blue.** Sky-blue. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3757 **Bridesmaid.** Shades of white, shining rose. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3759 **Beaconsfield.** Upper petals light lavender, lower ones a deep rich purple. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3760 **Boulogne Giant Mixture.** The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5-blottedched, delicately veined, rich color. $\frac{1}{8}$ oz., \$2.00; 125 seeds, 50c.

3765 **Bugnot.** Shades of red, bronze and reddish cardinal. $\frac{1}{8}$ oz., 50c; pkt., 20c.

3766 **Cardinal.** Brilliant red. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3769 **Cassiers 3 and 5-Blottedched Mixed.** Mostly light shades with dark blotches. $\frac{1}{8}$ oz., 50c; pkt., 20c.

3770 **Cecily.** Flowers steel blue with white border and small dark central spots. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3771 **Coal Black.** A jet black. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3772 **Comet.** Porcelain-white, lower petals with light blue rays. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3776 **Emperor Francis Joseph.** Pure white, large blotch of brilliant violet-blue on each petal. $\frac{1}{8}$ oz., 50c; pkt., 20c.

3779 **Emperor William.** Dark navy blue. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3780 **Eros.** Purple, yellow border. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3781 **Freya.** Violet-purple, silver edged. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3782 **Fiery Faces.** Yellow and red. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3783 **Light Blue.** Without eye, darker center. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3785 **Mad. Perret.** Lovely shades of pink and rose. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3790 **Marechal Niel.** Delicate pleasing, cream color. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3793 **Masterpiece (Frilled Pansy).** A remarkable type, each petal being conspicuously curled or waved. The range of color is very extensive, the rich, dark, velvety shades predominating. $\frac{1}{8}$ oz., 70c; pkt., 25c.

3794 **Mauve Queen.** Rosy lilac. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3794a **Mercury.** Deep purple-red. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3794b **Minerva.** Brilliant red with 5 dark violet spots. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3795 **Orchid Flowered, Andromeda.** Delicate apple-blossom. $\frac{1}{8}$ oz., 50c; pkt., 20c.

3797 **Orchid Flowered Almond Blossom.** Delicate rose. $\frac{1}{8}$ oz., 50c; pkt., 20c.

3808 **Orchid Flowered Mixed.** Rare light shades, large frilled flowers, very attractive. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3812 **Paris Market.** Compact plant with large flowers blotched in contrasting shades. $\frac{1}{8}$ oz., 40c; pkt., 10c.

3813 **Pheasant's Eye.** Sky-blue, edged violet. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3814 **Pink.** Fine shades of pink, same as Hydrangea. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3817 **President McKinley.** Fine blotched yellow. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3819 **Purple.** Rich deep purple. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3821 **Prince Bismarck.** Light brown. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3822 **Prince Henry.** Darkest blue. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3823 **Pretiosa.** Each petal has a large blotch of deep violet on crimson background, with white edge. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3880 **Vaughan's International Mixture.** This is a mixture of special strains such as Bugnot, Masterpiece, Swiss Giants, Triumph of the Giants, Mammoth Exhibition, Non Plus Ultra, Giant Cassier—all 3- and 5-spotted flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. 3 pkts. (600 seeds), for 65c; 5 pkts. (1000 seeds), for \$1.00; $\frac{1}{4}$ oz., \$1.75; pkt. (200 seeds), for 25c.

3875 **Vaughan's Giant Mixture.** Besides a good share of the "Fancy" strains such as Masterpiece, Bugnot, Cassier, etc., this mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high-grade mixture obtainable. All the flowers are of the "Giant" type and of good shape and texture. $\frac{1}{8}$ oz., \$1.00; 1 pkt. (250 seeds), 25c; 1 pkt. (125 seeds), 15c.

Vaughan's Giant Pansies

To have a bed of pansies one must start the seed in the house in early spring and transplant when danger of frost is over, or else plant in fall in cold frame and winter over. Seeds may also be sown in spring out-of-doors for late summer and fall flowering. They like a cold, moist situation.

3830 **Ruby Red.** $\frac{1}{8}$ oz., 50c; pkt., 15c.

3831 **Siegfried.** Wallflower color, 5-spotted. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3832 **St. Knud.** Giant orange flowers. Pkt., 100 seeds, 25c.

3840 **Trimardeau Mixture.** This is a mixture which we buy abroad. It has a complete color range, but the new and fanciful varieties are not in it which can only be had in our Vaughan's Giant and International Mixtures. $\frac{1}{8}$ oz., 40c; pkt., 10c.

3841 **Triumph of the Giants.** Compact growth, free flowering. The petals are broad and cover each other; edges of petals curled and the richness and brilliancy of the colors is most striking; also new tones and red and brown may be found. $\frac{1}{8}$ oz., 50c; pkt., 25c.

3843 **Victoria.** Claret-red. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3846 **Violet-Blue.** Dark centered. $\frac{1}{8}$ oz., 40c; pkt., 15c.

3849 **Volcano.** Deep red with five large blotches, very fine. $\frac{1}{8}$ oz., 50c; pkt., 20c.

3851 **Pure White.** Pure white without blotches. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3854 **White, With Eye.** Very large. $\frac{1}{8}$ oz., 45c; pkt., 15c.

3857 **Pure Yellow.** Golden yellow without blotches. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3860 **Yellow, With Eye.** Immense flowers. $\frac{1}{8}$ oz., 45c; pkt., 15c.

3861 **Early Flowering Giant Mixed.** This strain will bloom about three weeks earlier than any other strain. It has not a complete color range, only eight distinct plain shades being represented, but it has made a place for itself because of its early blooming. $\frac{1}{8}$ oz., 50c; pkt., 15c.

3870 **Chicago Parks Bedding Mixed.** Great diversity of colors, free-flowering, blossoms slightly smaller than the Giant sorts. $\frac{1}{4}$ oz., 60c; $\frac{1}{8}$ oz., 40c; pkt., 10c.

Vaughan
SPECIAL

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Nicotiana Affinis

NICOTIANA (Sweet-Scented Tobacco)**Plant) □ 2 ft.**

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom, but with a longer tube. The flowers open toward evening and emit a powerful perfume.

3390 *Affinis Tuberose* - flowered Tobacco. Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. The plants are of branching, bushy habit, 2 to 3 feet high; carry their flowers in clusters. Delightfully sweet-scented. Sow seed in boxes or pans in the early spring, and protect from frost and cold winds. Plant out as soon as all danger of frost is over. Pkt., 10c.

3392 *Affinis Hybrida*. Splendid hybrids in blue, red and rose, etc., shades. Pkt., 10c.

3395 *Sanderae*. A lovely hybrid tobacco of elegant branching habit, and bearing on light, graceful stems great quantities of very beautiful rosy carmine flowers. Pkt., 10c.

3397 *Sanderae Hybrids*. All shades. Pkt., 10c.

3405 *Sylvestris*, 4 ft. A noble-looking plant of pyramidal habit, with long, tubular, pure white flowers, borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening. Pkt., 10c.

NIGELLA

3415 Mixed (Love-in-the-Mist) □ 1½ ft. A compact, free-flowering plant with finely cut foliage, curious-looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed. Pkt., 10c.

3420 Miss Jekyll. A lovely variety, bearing on long stems large semi-double flowers of a lovely tender blue, nestling in fine feathery foliage. Pkt., 10c.



Nigella Miss Jekyll

NEMOPHILA (Baby Eyes) □ 6 in.

Harthiest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out-of-doors in spring, in patches, where they are to flower.

3376 *Insignis Blue*. A popular plant for pots or borders. Pkt., 10c.

3380 Mixed, all colors. Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt., 10c.

NIEREMBERGIA

3410 *Gracilis* □ 6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc. Pkt., 10c.

NYCTERINIA

3430 *Capensis* □ 9 in. Charming little plants for pots, edgings and rockwork. White with maroon, delightfully fragrant, flowers opening at night. Pkt., 10c.

ORNAMENTAL GRASSES—See page 58.

OXALIS

3445 *Rosea* □ An excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose and delicate pink. Pkt., 10c.

3450 *Tropaeoloides*, 3 in. Yellow flowers, rich brown foliage. Pkt., 10c.



Oenothera Giant America

OENOTHERA

These open their flowers in the evening and one can enjoy a thrill in his garden if he will sit for 15 minutes at twilight and watch the Evening Primroses (Oenothera) drop their calyx and unfold their petals. We have had a plant in our garden. The buds are closed when we start the hose going, but before we get through, presto! a wealth of large golden blooms greets us and bids us "good-night."

3435 *Evening Primrose, Mixed* □ ½ to 2 ft. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume. Pkt., 10c.

3441 *Giant America*. This is a striking variety, as white as snow and as large as a Moonflower. Pkt., 10c.

3442 *Afterglow*. A very attractive new variety; yellow flowers with bright red calyx. Pkt., 20c.

PENNSETUM (Fountain Grass)

Tender ornamental grasses, valuable either as individual specimens in the garden or for massing, while as for border plants for beds of Cannas or Caladiums nothing equals them.

3920 *Longistylum* □ 2½ ft. Extremely graceful greenish white plumes. Pkt., 10c.

3925 *Rueppelianum*. (Purple fountain grass) graceful green foliage and purplish plumes. Pkt., 10c.

PERILLA

3930 *Nankinensis* □ 1½ ft. Valuable foliage plant, resembling Coleus, dark mulberry-colored leaves. This does especially well in cities as it is not affected by smoke or gas. Seed germinates slowly. Used largely in the gardens of St. Mary's of the Lake Seminary, Mundelein, Ills., and in the Chicago parks. Pkt., 10c.



Phacelia Campanularia

PHACELIA

4101 *Campanularia*, 8 in. A very beautiful annual, producing a terminal raceme of intense gentian-blue flowers with conspicuous white anthers; very effective for edgings, etc., and a charming pot-plant. One of the earliest annuals to bloom and lasts in perfection a long time. Pkt., 15c.

4102 *Tanacetifolia*, 18 in. Large compact head of pale mauve flowers. Valuable bee plant. Pkt., 10c.

POINCIANA

4230 *Gilliesi* (Bird of Paradise) □ The blossoms are of a rich golden yellow, about 2½ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year. Pkt., 10c.

PYRETHRUM (Foliage Plant)

4515 *Aureum Golden Feather* □ 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. Pkt., 10c.

For other foliage plants see—	Coleus	Centaurea Candidissima
	Centaurea Gymnocarpa	Perilla Nankinensis
	Cineraria Maritima	Diamond

PYRETHRUM ROSEUM—See Colored Perennial Pages.



Petunia Vaughan's Small Flowering Mixed



Pink Glory

Romany Lass

Triumph Pink

Vaughan's Petunias

For freedom of bloom, variety of color and effectiveness these have no equal. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Single Small Flowering Varieties

- 3958 Alba. Pure white. Pkt., 10c.
- 3963 Adonis. Carmine rose. Pkt., 10c.
- 3965 Countess of Ellesmere. Rose with white throat. Pkt., 10c.
- 3970 General Dodds. Blood-red. Pkt., 10c.
- 3975 Howard's Star. Crimson-maroon with a clearly defined five-pointed star of blushing white. Pkt., 10c.
- 3980 Inimitable. Blotched and striped. Pkt., 10c.
- 3981 Lord Courtenay. Brilliant rose, yellow throat. Pkt., 10c.
- 3988 Venosa. Light red veined. Pkt., 10c.
- 3995 Finest Mixed. $\frac{1}{8}$ oz., 25c; pkt., 10c.

Single Dwarf Varieties

- Dwarf, neat, compact bushes covered with a multitude of small flowers all summer long, valuable for edging and formal bedding.
- 3998 Blue Bird, Nana Erecta Violacea. A fine companion to Rosy Morn, same habit and freedom of bloom. Color steel blue. Pkt., 25c.
 - 4000 Carmen Sylva. Baby blue with white throat. Pkt., 10c.
 - 4005 Improved Rosy Morn. A most pleasing clear pink with a broad white throat. A splendid sort for porch boxes, pots and beds. Pkt., 300 seeds, 25c.
 - 4010 Norma. Blue with white star. Pkt., 10c.
 - 4015 Dwarf Inimitable. Regular white stars on deep old rose ground. Very effective in masses. Pkt., 10c.

- 4018 Rose of Heaven. Color rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn, a compact grower, very free blooming. Pkt., 25c.
- 4020 Snowball. A fine compact sort, producing its pure satiny white flowers throughout the entire season. Pkt., 15c.

- 4025 Vaughan's Special Mixture of Dwarf Small Flowering Varieties includes all the varieties listed and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts. $\frac{1}{8}$ oz., 40c; pkt., 10c.

Balcony Varieties

- Single large flowering sorts especially recommended for window porch boxes.
- 4030 Balcony Queen. Rich, velvety violet with white blotches. Pkt., 150 seeds, 25c.
 - 4035 Balcony White. A beautiful trailing variety. Pkt. 150 seeds, 25c.
 - 4040 Balcony Blue. Rich, velvety blue. Pkt., 150 seeds, 25c.
 - 4041 Balcony Rose. 150 seeds, 25c.
 - 4036 Balcony Star. Red with white star. Pkt., 150 seeds, 25c.
 - 4042 Balcony Mixed. The five varieties noted above. 150 seeds, 25c.

Single Giant Flowering Varieties

- The flowers of this strain average 5 to 7 inches across and are wonderful.
- 4065 Giants of California Mixed. The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Pkt., 200 seeds, 15c.
 - 4070 Giant Empress. Lilac blue with purple veins.
 - 4075 Giant White. With yellow throat.
 - 4080 Giant Silvery Rose. New.
 - 4085 Giant Rose. Ruffled veined, black.
 - 4090 Giant Black Prince. Darkest. Each of the above, pkt., 150 seeds, 25c; one pkt. each, 5 for \$1.00.
 - 4095 Triumph of the Giants. The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors. Pkt., 250 seeds, 35c.
 - 4100 Vaughan's Best Mixture Large Flowering Single Petunias. This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as Vaughan's Best. Pkt., 300 seeds, 25c.

Large Single Flowering Varieties

The flowers of this type average 3 to 4 inches in diameter.

- 4045 Brilliant Rose Fringed. Pkt., 150 seeds, 25c.
- 4051 Pink Glory. The color is pure flame-rose pink. The flowers are slightly ruffled. The plants grow compact to a height of 12 to 15 inches and are continually covered with flowers. Pkt., 35c.
- 4072 Romany Lass. The flowers are of the large fluffy-ruffle type. The color is a clear bright velvety blood-red with purple throat, striped in black. Pkt., 50c.
- 4050 White. Pkt., 150 seeds, 20c.
- 4055 Royal Purple. This makes a beautiful combination if planted with the preceding. Pkt., 150 seeds, 20c.
- 4054 Triumph Pink. Large flowers, beautifully ruffled, of a clear, bright pink. A fine bedder and a free bloomer. Pkt., 35c.
- 4060 Large Flowering Fringed Mixed. A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable variety of color. Pkt., 200 seeds, 15c.
- 4056 Pride of Portland. Deep rose fringed. Pkt., 25c.
- 4057 Scarlet Beauty. Scarlet fringed. Pkt., 25c.
- 4058 Elk's Pride. Plain, edged black-purple. Pkt., 25c.
- 4059 White Beauty. Fringed, pure white. Pkt., 25c.

Double Large Flowering Varieties

- 3955 Vaughan's Mixture of Double Petunias. This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollinated and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. Pkt., 200 seeds, 30c; 1,000 seeds, \$1.35.
- 3940 Lady of the Lake. Double white fringed.
- 3943 Double Heliotrope.
- 3946 Double Red.
- 3949 Double Rose.
- 3952 Double Mixed.

Each of the above, pkt., 125 seeds, 25c.

- 3955 Double Small Flowered Mixed. The flowers of this strain are smaller than those of the above types, but they are produced in greater profusion. Pkt., 300 seeds, 25c.

SPECIAL OFFER

- 4073 1 pkt. each, Pink Glory, Romany Lass and Triumph Pink, as illustrated above, for \$1.00.



Petunia Vaughan's Best Large Flowering Single, Mixed

Phlox Drummondi

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory, or they can be started indoors.

Grandiflora Varieties □ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

- 4105 Alba. Pure white.
- 4107 Alba Oculata. White with dark eye.
- 4110 Atro-purpurea. Black-brown.
- 4113 Brilliant. Rose with dark eye.
- 4115 Carnea. Flesh color.
- 4120 Chamois Rose.
- 4125 Coccinea. Fiery scarlet.
- 4130 Coerulea Striata. Blue-striped.
- 4137 Dark Blue. True blue.
- 4140 Isabellina. Yellow.
- 4145 Kermesina Splendens. Vivid crimson, with white eye.
- 4150 Gold Star. Pink with gold star.
- 4155 Rosea. Pink.
- 4160 Violet. With white eye.
- Any the above, pkt., 10c.
- 4165 Splendid Mixture. 1 oz., \$1.25; $\frac{1}{4}$ oz., 35c; 250 seeds, pkt., 10c.

Cuspidata or Star. These have quaint and unusual flower formation and make attractive bedding plants, doing well in hot sun.

- 4170 Coccinea 4172 Salmeana
- 4171 Rosea 4173 Violacea
- Each of the above, pkt., 15c,
- 4175 Cuspidata Mixed. Mixture of star-shaped flowers. Pkt., 10c.

4180 Semi-Double Varieties Mixed. Plant in sandy soil and the flowers will be inclined to be more double. Pkt., 15c.

Nana Compacta Dwarf 8 in.

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

- 4182 Apricot. Yellow.
- 4183 Fireball. Blood-red.
- 4186 Chamois Rose.
- 4189 Snowball. Pure white.
- 4192 Isabellina. Yellow.
- 4195 Sky-blue with White Eye.
- 4200 Salmon Pink.
- 4201 Mirabilis. Salmon-pink with white eye.
- 4203 Violet.

Each of the above, pkt., 15c.

4205 Nana Compacta. Mixed, all colors. Pkt., 10c.

4210 Cecily. Mixed, all colors. Flowers are of immense size, the coloring very bright and nearly all the blossoms display a white eye. Excellent for borders. Plants grow bushy and compact. Pkt., 15c.

HARDY PHLOX—See Perennial pages.



Phlox Vaughan's Special Mixture

4220 Vaughan's Special Mixture Phlox. Contains all the varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., \$1.60; $\frac{1}{4}$ oz., 50c; $\frac{1}{8}$ oz., 30c; 250 seeds, 15c.

Poppies

Single Annual Poppies

4235 Admiral. Glistening white, with a broad margin of brilliant scarlet. Pkt., 10c.

4238 Bride. Very large pure white, perfectly formed flowers. Pkt., 10c.

California Poppy—See Escholtzia.

4241 Danebrog or Danish Flag. Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross. Pkt., 10c.

4245 Flanders Poppy. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Was the first official flower of the American Legion. $\frac{1}{2}$ oz., 25c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.25; pkt., 10c.

4255 King Edward. Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. Pkt., 10c.

4265 Persian (Laevigatum or Firedragon). Dark scarlet, black spots. Pkt., 10c.

4270 Tulip (Glaucum). Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c.



Poppy Shirley

Shirley Poppies (Silk or Ghost)

These have beautiful satiny flowers of various colors, all with white centers, which make the plants very attractive. Foliage is hairy and finely cut.

4277 American Legion. A dazzling orange-scarlet of enormous size, borne on long, stout stems. Pkt., 15c; oz. 80c.

4278 Blue Shirley. Various shades of blue. Pkt., 10c.

4280 Wild Rose Shirley. Shades of rose and pink. Pkt., 10c.

4285 Shirley Mixed. Beautiful colors in delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson with a sprinkling of blues. Oz., 30c; $\frac{1}{2}$ oz., 10c.

4291 Eldorado. 2 ft. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. The substance of the petals in some of the lighter shades is as delicate as China silk. Pkt., 10c.

4295 Eldorado Salmon Shades, 2 ft. The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers. Pkt., 15c.

Iceland and Oriental Poppies—See Perennial Pages.



Poppy Special Double and Single Mixed

Double Annual Poppies

4315 American Flag. Flowers very large, snow-white, scarlet bordered. Pkt., 10c.

4320 Fairy Blush. The flowers have the effect of large feathered balls, overcast with a rosy shade. Pkt., 10c.

4325 Giant Double Pure White.

4330 Giant Double Pale Yellow.

4335 Giant Double Pink.

4338 Giant Double Cardinal Red.

4340 Giant Double Lilac.

4345 Giant Double Salmon.

4350 Giant Double Heliotrope.

4353 Giant Double Plum Violet.

Each of the above, pkt., 10c.

4341 Ryburgh Hybrid. The flowers are double and resemble a Giant Carnation, with flat petals overlapping like a Double Begonia. The colors embrace all shades of pink, salmon, orange, etc., all self-colors. Pkt., 20c.

4355 Mikado. Flowers brilliant scarlet and white with elegantly curled petals, like Japanese Chrysanthemum. Pkt., 10c.

4360 Scarlet King. Pkt., 10c.

4365 White Swan. Fringed double white. Pkt., 10c.

4368 Double Shirley. Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

4375 Carnation-Flowered Mixture of Double Poppies. Large sized flowers of all shades, many striped. Oz., 30c; $\frac{1}{2}$ oz., 20c; pkt., 10c.

4380 Peony-Flowered Mixture. Double ball-shaped flowers of gigantic size. Oz., 30c; $\frac{1}{2}$ oz., 20c; pkt., 10c.

4383 Rhoeas Fl. Pl. Double French Mixture. Double form of the Shirley type. Oz., 30c; $\frac{1}{2}$ oz., 20c; pkt., 10c.

4390 Vaughan's Special Mixture, Double Poppies. This includes all the above sorts, and will produce charming flowers in an endless variety of colors. $\frac{1}{4}$ lb., \$1.25; 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

4310 Vaughan's Special Mixture Double and Single Poppies. Comprises not only all the double and single Poppies described, but also a number of other sorts especially purchased for this mixture, including some entirely new ones. $\frac{1}{4}$ lb., \$1.25; 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.

4305 Vaughan's Special Mixture, Single Poppies. This mixture includes all the choice single listed Poppies and many other kinds not listed. It is really extra choice. Lb., \$4.00; $\frac{1}{4}$ lb., \$1.25; 2 oz., 75c; 1 oz., 40c; pkt., 10c.





Pentstemon Sensation

PENTSTEMON (Beard Tongue)

3926 **Sensation.** 2 ft. Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 25c per pkt.

See Perennial pages for other varieties.

Primula**Chinese Primrose**

This is one of the most charming winter flowering house plants. Our seed has been specially grown for us by the most celebrated English Primula specialist. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

4460 **Good Mixture of Single Varieties.** Pkt., 15c.

4465 **Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 100 seeds, pkt., 35c.

**Primula—Various Sorts**

4475 **Malacoides** + 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.

4478 **Malacoides Rosea.** Pkt., 25c.

4480 **Forbesi Baby Primrose** + 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems. Pkt., 15c.

Auricula and Veris—See Perennials.

Primula Obconica Grandiflora

This is one of the most beautiful Primulas for pot culture and also succeeds well in the open border during the summer.

4490 **Rosea Pink.** Pkt., 200 seeds, 25c.

4495 **Obconica Grandiflora Mixed.** Good mixture. Pkt., 200 seeds, 15c.

Primula Obconica Gigantea

The leaves are dark green, thick and leathery, roundish, veined at the edges and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1½ to 1¾ inches in diameter, and are borne in clusters up to 4 inches across. Should not be planted in leaf mould or peaty soil.

4500 **Gigantea Rosea.** A beautiful clear rose. Pkt., 200 seeds, 25c.

4505 **Gigantea Mixed.** Pkt., 200 seeds, 25c.

CHINESE FORGET-ME-NOT (Cynoglossum Amabile) is a beautiful blue flower.

RHODANTHE (Everlasting) □ 1 ft.

A charming annual; succeeds in a light, rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting.

- 4530 **Manglesi Rose.** Bright rose flowers, very graceful, makes a pretty pot plant.
4533 **Maculata Alba.** White.
4535 **Maculata Rosea.** Rose.
4540 **Mixed.**

Each of above, pkt., 10c.

RICINUS (Castor Bean) □

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

- 4545 **Cambodgensis.** 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black. 1 oz., 20c; pkt., 10c.
4546 **Crimson Spire.** The bushy plants grow 6 to 8 ft. high with large palmate leaves of a lustrous purple color gradually changing to bronzy green, with red stems, stalks and vines. The numerous large seed spikes are brilliant rosy crimson. Pkt., 15c.
4547 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.
4548 **Gibsoni.** Mulberry-colored foliage. Oz., 25c; pkt., 10c.

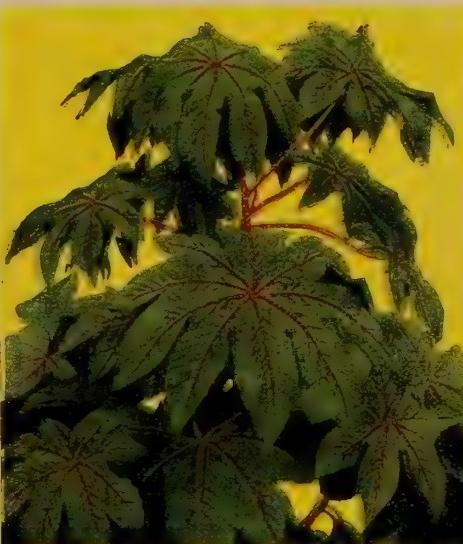


Portulaca Single Mixed

Portulaca

(Rose Moss) □ 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear. Sow between stepping stones.



Ricinus Zanzibariensis Mixed

4550 **Panormitanus.** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered. 1 oz., 25c; pkt., 10c.

4555 **Sanguineus.** 6 ft. Green leaved, red stems. 1 oz., 20c; pkt., 10c.

4560 **Zanzibariensis Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage. 1 oz., 20c; pkt., 10c.

4565 **Zanzibariensis Enormis.** 1 oz., 25c; pkt., 10c.
4570 **Mixed.** Many sorts. 1 oz., 15c; pkt., 10c.

ROSE

4575 **Polyantha Nana.** 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing. Pkt., 10c.

RUDBECKIA

4580 **Bicolor Superba (Coneflower) □ 2 ft.** Produces an abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt., 10c.

4581 **Triloba, (Thin Leaved Cone-Flower).** 2-5 ft. July-August, deep yellow. One of the best Rudbeckias. Dense bushy plant. Grows in sun or shade, any soil. Numerous rayed flowers form a brilliant mass of color. Clean foliage. Associate with Larkspurs in shrubbery or border. Flowers the first year from seed. Biennial. Pkt. 25c.



Portulaca Double Best Mixed

Vaughan's Sweet Peas



4985 **Appleblossom.** Standard rose, showing veins of deeper rose, wings light carmine, the whole color overspreads on primrose. Oz., 25c; pkt., 10c.

Austin Frederick Improved. Powers Court is better.

4990 **Blanche Ferry.** Standard bright carmine-rose and wings white, suffused and tinted with light pink. Oz., 25c; pkt., 10c.

5000 **Blue Picotee.** White, edged violet-blue. Oz., 25c; pkt., 10c.

5003 **Charity.** Best red. Improvement on King Edward. Oz., 25c.; pkt., 10c.

5015 **Commander Godsall.** New, violet-blue. Oz., 30c; pkt., 10c.

5020 **Constance Hinton.** Of enormous size. The best white for outdoor planting. Oz., 30c; pkt., 10c.

5025 **Crimson King.** A rich deep crimson, the best red, does not burn. Oz., 30c; pkt., 10c.

5041 **Edna May Improved.** Pure white. Oz., 25c; pkt., 10c.

5050 **Elfrida Pearson.** Large deep blush waved buds and young flowers having a bronze sheen. Oz., 25c; pkt., 10c.

5065 **Fiery Cross.** A new shade of Turkey-red or military red. Oz., 30c; pkt., 10c.

5066 **George Shawyer.** Giant salmon-rose. Oz., 25c; pkt., 10c.

5095 **Giant Attraction.** Fawn-pink, cream ground. Oz., 25c; pkt., 10c.

5105 **Golden Glory.** Glowing orange. Oz., 30c; pkt., 10c.

Vaughan's Special Mixture

5320 **Spencer Varieties.** This mixture is one we make ourselves from named sorts of late flowering ruffled or Spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time if cultural directions are followed in planting seed and subsequent care in watering. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.



Butterfly or Spencer Varieties Late Flowering

THE most beautiful blossom in shape, size, color and fragrance, produced so abundantly and long on lightsome, free-hearted, happy plants. Its flowers dance and sparkle in the sunlight the whole summer through, ever changing, yet ever beautiful. You can cut armfuls of flowers, yet it smiles and pursues its beneficent way. It is easy to grow Sweet Peas, because they fairly spring into radiant life in the hands of those who love them.

- 5115 **Hawlmak Salmon Pink.** A wonderful shade. Oz., 25c; pkt., 10c.
- 5116 **Hebe.** Large bright pink. Improvement on Countess Spencer and Hercules. Oz., 30c; pkt., 10c.
- 5117 **Heaven'y Blue.** A new delphinium-blue. Oz., 30c; pkt., 15c.
- 5130 **Illuminator.** Bright salmon, cerise sparkling with orange. Oz., 30c; pkt., 10c.
- 5134 **King Edward VII.** Charity is better.
- 5145 **King White.** Produces gigantic flowers, absolutely pure white. Oz., 25c; pkt., 10c.
- 5146 **Majestic Cream.** Rich deep cream. Oz., 25c.; pkt., 10c.
- 5167 **Mary Pickford.** Dainty cream-pink, suffused salmon. Oz., 30c; pkt., 15c.
- 5184 **Miss California.** Orange-salmon with cream-pink. Oz., 30c; pkt., 10c.
- 5194 **Picture.** Flesh pink suffused creamy apricot. Oz., 25c; pkt., 10c.
- 5195 **Powers Court.** One of the finest lavenders. Oz., 30c; pkt., 10c.

Mrs. Tom Jones. Heavenly Blue is better.

- 5196 **President Harding.** Peach-red, a new shade. Oz., 30; pkt., 10c.
- 5255 **Royal Purple.** The best purple. Oz., 25c; pkt., 10c.
- 5259 **Royal Salute.** Deep cerise. Oz., 25c; pkt., 10c.
- 5260 **Royal Scot.** The most brilliant scarlet. It does not fade or burn in the hottest sunshine. Oz., 25c; pkt., 10c.
- 5263 **Snowball.** Dazzling white, of great substance; very fragrant. Oz., 60c; pkt., 25c.

Early Flowering Spencer

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period. Excellent for greenhouse planting.

25 seeds in a packet except where noted.

- 5340 **All-White.** The best white seeded. Oz., 60c; pkt., 10c.
- 5345 **Amethyst.** An early flowering Royal Purple. Oz., 50c; pkt., 10c.
- 5375 **Blue Bird.** A magnificent violet-blue. Oz., 60c; pkt., 10c.
- 5384 **Chevalier.** Rose cerise. Oz., 60c; pkt., 10c.
- 5385 **Columbia.** The best pink and white (Early Blanche Ferry). Oz., 50c; pkt., 10c.
- 5395 **Cream.** It has immense blossoms very frilled. Oz., 50c; pkt., 10c.
- 5398 **Eldorado.** Orange. Oz., \$1.50; pkt., 25c.
- 5400 **Enchantress.** Rose pink. Oz., 50c; pkt., 10c.
- 5409 **Fair Maid.** Blush pink; suffused salmon on white ground. Oz., 50c; pkt., 10c.
- 5420 **Glitters.** Standard bright fiery orange, wings deep orange. Oz., 60c; pkt., 10c.
- 5425 **Gorgeous.** Salmon-rose. Oz., 60c; pkt., 10c.
- 5430 **Grenadier.** A glowing poppy-scarlet. Oz., 75c; pkt., 25c.
- 5438 **Harmony.** Clear lavender. Oz., 60c; pkt., 10c.
- 5439 **Hercules.** Mammoth rosy pink. Oz., 50c; pkt., 10c.
- 5442 **Heather Bell.** Mauve lavender. Oz., 50c; pkt., 10c.
- 5485 **Miss Louise Gude.** Brilliant pink. Oz., 60c; pkt., 10c.
- 5490 **Mrs. Chas. A. Zvolanek.** Clear lavender. Oz., 50c; pkt., 10c.
- 5491 **Mrs. Kerr.** The best salmon. Oz., 75c; pkt., 25c.

5280 **Tangerine.** Deep orange-colored flower, almost approaching the color of a tangerine orange. Oz., 30c; pkt., 10c.

5285 **The Cardinal.** Brilliant poppy-scarlet. Oz., 30c; pkt., 10c.

5310 **Warrior.** Rich chocolate-maroon. Oz., 25c; pkt., 10c.

5311 **Youth.** Large white, pink picotee edge. Oz., 30c; pkt., 10c.

5630 **Sweet Peas, Vaughan's Prize Mixture.** The daintiest colors of all the Spencers. Large Flowering and Unwin types as well as darker combinations make a garden planted with these a continual joy. 1 lb., \$1.50; $\frac{1}{4}$ lb., 40c; oz., 15c; pkt., 10c.



10 Best Late Flowering

Spencer Sweet Peas Collection No. 5325

Price, one (regular size) packet of each for 50c.

We cannot make any change in varieties.

White	Edna May Improved
Salmon Pink	Hawlmak Salmon Pink
Crimson	Charity
Light Blue	Heaven'y Blue
Lavender	Powers Court
Cream Pink	Mary Pickford
Orange	George Shawyer
Dark Blue	Commander Godsall
Maroon	Warrior
Picotee	Youth

10 Best Early Flowering

Spencer Sweet Peas Collection No. 5600

One package each of 10 varieties noted below for 75c.

Lavender	Harmony
Rose	Zvolanek's Rose
Orange	Orange King
Blush Pink	Fair Maid
White	All-White
Blue	New Blue
Red	Vulcan
Cerise	Glitters
Rose Pink	Rose Dore
Purple	Amethyst



Salpiglossis Vaughan's Special Mixture

SALPIGLOSSIS □ 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube-shaped much like a Petunia but rivaling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it.

- 4590 Bright Crimson.
- 4595 Faust. Black.
- 4600 Rose and Gold.
- 4605 Velvet Violet.
- 4610 Golden Yellow.
- 4611 Light Blue and Gold.
- 4612 Purple and Gold.
- 4613 Scarlet and Gold.
- 4614 Velvet Red.
- 4616 White and Gold.

Each of the above, per pkt., 15c.

4615 *Gloxiniatflora* Mixed □ 2½ ft. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 15c.

4625 Emperor Mixed. Large improved strain, complete range of colors. Pkt., 10c.

4630 Vaughan's Special Mixture. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. See illustration on front cover. ¼ oz., 35c; Pkt., 15c.



Saponaria Mixed

SANVITALIA

4690 *Procumbens* Fl. Pl. □ 6 in. Small double yellow flowers produced in abundance all summer; excellent edging plant. Pkt., 10c.

SAPONARIA

4691 *Vaccaria* Rose □ 2 ft. In the Parisian flower markets this Saponaria is one of the special favorites. The light graceful sprays of glistening flowers are produced in greatest profusion. It is so valuable for vase decoration that successive sowings should be made. Charming pot plant for greenhouses.

4692 Alba. White.

4692 Vaccaria Mixed.

Each of the above, pkt., 10c.

SENSITIVE PLANT—See Mimosa.

SALVIA

The *Salvia Splendens* is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

4650 *Fireball*. 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.



Salvia Splendens America

4640 *America*, or *Globe of Fire*. This is the freest and most continuous bloomer; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. Pkt., 25c.

4655 *Clara Bedman* or *Bonfire*. 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. Pkt., 10c.

4660 *Drooping Spikes*. 2½ ft. This large flowering variety has three times the flowering capacity on each spike as the ordinary *Salvia Splendens*. Pkt., 10c.

4665 *Maroon Prince*. 2 ft. Particularly rich and royal color. A purple-violet with a velvety sheen. Pkt., 15c.

4670 *Zurich*. Early. The plants are dwarf and compact with large brilliant flower spikes. Pkt., 15c.

4675 *Mixed*. The above sorts and others. Pkt., 10c.

4680 *Coccinea*. 2 ft. Annual scarlet sage. Pkt., 10c.

4683 *Farinacea*. 3 ft. Tall spikes of silvery lavender blooms form a dense mass of foliage. Pkt., 10c.

STREPTOCARPUS

4826 Largest Hybrids. 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging in color from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 25c.



Scabiosa Vaughan's Special Mixture

SCABIOSA (Mourning Bride) 2½ ft. □

Commonly known as the Pincushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful types of butterflies to the neighborhood.

Large Flowering Double

4695 Snowball.	4715 Azure Fairy.
4700 Golden Yellow.	4720 Cherry Red.
4705 Flesh.	4725 Black Prince.
4710 Fiery Scarlet.	4730 Rose.
4731 Amethyst or Ageratum Blue.	

Each of above, per pkt., 10c.

4740 Vaughan's Special Mixture. Many new colors have been purchased for this, our latest special mixture, and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz., 25c; Pkt., 10c
Was illustrated on front cover 1927 catalog.

SCARLET RUNNER

4766 In northern locations where summers are cool and short this takes the place of the Large Lima Beans. Plants are of strong, quick growth, bearing large sprays of bright scarlet pea-like flowers. When fully ripened the dry beans are of bright scarlet, heavily blotched with purple. Pkt., 10c.

SILENE

4775 *Armeria* Mixed □ 1½ ft. (Catchfly.) A very showy early flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. Pkt., 10c.

SMILAX + = 6 ft.

4780 Makes a fine pot or basket plant. Elegant for table decoration when cut. Pkt., 10c.

SNAPDRAGON—See *Antirrhinum*.

SNOW ON THE MOUNTAIN—See *Euphorbia* Variegata.

SOLANUM

4785 *Capsicastrum Nanum* □ 2 ft. (Jerusalem Cherry.) Easily grown plants with ornamental fruit. Especially fine for pots. Pkt., 10c.

4790 *Cleveland Cherry*. This is an improvement on Jerusalem Cherry. Differs from it in habit of growth, which is dwarf and compact and the larger number of berries produced. One of the best house plants for window decoration. Pkt., 15c.

SUNFLOWER—See *Helianthus*.

SWEET WILLIAM—See *Dianthus Barbatus* in colored Perennial Pages.

STEVIA

4825 *Serrata* □ □ 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 10c.



Schizanthus Garaway's Hybrids

SCHIZANTHUS

This is one of the daintiest of annuals. The seed germinates readily and in a few weeks the plant is a mass of small but bright flowers in a bewildering range of colors, all blotched and marked in contrasting shades. The foliage is delicate and fern-like. It may be sown in spring for garden decoration or may be seeded in fall in pots in the conservatory or house for spring blooming.

4755 Grandiflorus, Garaway's Hybrids. A grand strain bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. Pkt., 25c.

4756 Grandiflora Hybrids. Rose and Amber Shades. Quite a new strain of pink and rose tints, mostly heavily blotched gold and bronze but also contains some very delicate and pleasing pinks. Pkt., 25c.

4760 Wisetonensis. 1½ ft. Profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. Pkt., 15c.

4765 Mixed, all colors. ¼ oz., 15c; pkt., 10c.

SPIDER PLANT—See Cleome Pungens.

SURPRISE GARDEN MIXTURE

5848 This is not a mixture of wild flowers, but of garden annuals, with a few wild species added. It contains a large number of different kinds, all of them quite hardy and varieties that will grow with the least amount of care and produce quantities of flowers for a long period. Indeed, there are so many kinds appearing in endless succession that it is a continual surprise from the time the first plant begins to blossom. We recommend it for vacant lots and waste pieces of ground. Oz., 25c; ¼ lb., 75c; lb., \$2.60.



Stock Bismarck

Stocks

Large Flowering □ (Levkojen)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding.

4830 White	4850 Light Blue
4835 Canary Yellow	4853 Mauve (Water Blue)
4838 Flesh	Blue)
4841 Rose Pink	4856 Dark Blue
4845 Crimson	

Each of the above, pkt., 10c.

4865 Best Mixed. Pkt., 10c.

4970 Vaughan's Special Mixture of Stocks. Contains all the varieties listed and many others not catalogued. Pkt., 15c.



Statice Sinuata Mixed

STATICE

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among everlasting, and have come to be indispensable in making winter bouquets.

4795 Russian (Suworowii, or Rat Tail) 1 ft. Flowers bright rose color. Pkt., 15c.

4800 Bonduellii. Producing numerous heads of bright yellow flowers. Pkt., 10c.

4801 Sinuata Rosea Superba. A charming new bright color. Pkt., 10c.

4802 —True Blue. A new deep blue. Pkt. 10c.

4804 —White. Pkt., 10c.

4805 —Mixed. Pkt., 10c.

SWEET ROCKET—See Hesperis in Perennial Pages.

SWEET WILLIAM—See Dianthus Barbatus in Colored Perennial Pages.



Stock Giant Perfection Mixed

Giant Perfection "Cut and Come Again" 1½ ft.

Useful for outdoor bedding as well as for pots or cut flowers. They throw out numerous side branches, all bearing very double, fragrant flowers.

4875 White 4895 Scarlet

4880 Canary Yellow 4905 Light Blue

4885 Pink 4915 Dark Blue

4890 Old Rose Improved. A favorite color in Garfield Park Conservatory in Chicago.

4900 Empress Augusta Victoria. Silvery lilac.

4910 Heatham Beauty. A rich mauve, shaded terra cotta.

Each of the above, pkt., 10c.

4920 Giant Perfection Mixed. ⅛ oz., 40c; pkt., 10c.

Bismarck 2½ ft.

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and large flower stalks. The best variety for greenhouse use.

4924 Appleblossom 4940 Gold Ball

4925 White 4945 Blood-red

4930 Lilac 4947 Flesh

4931 Dark Blue 4948 Golden Rose

4932 Queen of Belgians Lavender

4946 Chamois. A florist in Desplaines, Ill., received \$50.00 as a prize for a vase of these as the best color of its class.

Each of the above, pkt., 15c.

4949 Bismarck Mixed. Pkt., 15c.



Thunbergia Mixed

February 6th is Saint Dorothy's Day, the patron saint of gardeners. That would be a lucky day to make out your order for seeds if you haven't already done so.



Viscaria Mixed

VISCARIA

5805 Mixed □ 1 ft. Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting. Pkt., 10c.

TITHONIA (1)

5641 Speciosa Mexican Sunflower. A rare plant from Mexico. Throwing up from the root many stout, woody stems furnished with rather large foliage. The flowers are large and remind one of an immense single Zinnia; color, dazzling orange-scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders; will also bloom in winter in the house, if lifted before frost. Pkt., 25c.

TRACHELIUM

5656 Coeruleum. Free-growing annual having large cloud-like heads of tiny blue flowers resembling Gypsophila. Height, 18 in. Makes a fine pot plant. Pkt., 25c.



Vinca Rosea Mixed



Virginia Stock Mixed

VIRGINIA STOCK

5815 Mixed □ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect. $\frac{1}{4}$ lb., 60c; oz., 25c; $\frac{1}{2}$ oz., 15c; pkt., 10c.

WALLFLOWER (Goldlack) □ 1½ ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Not hardy in the Northern States, should be wintered in cold frames.

- 5820 Single Mixed. Pkt., 10c.
- 5825 Annual Blood-Red. Pkt., 10c.
- 5830 Annual Golden Gem. Pkt., 10c.
- 5835 Annual Mixed. Pkt., 10c.
- 5840 Double Mixed. Pkt., 15c.

ZEA (Rainbow Corn)

6175 Japonica Quadricolor Perfecta □ 4 ft. This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich, light, warm soils. The leaves are striped in yellow, green, rose and dark red. Pkt., 10c.

5760 Erinoides Alba. Of the same character as the Erinoides purple, but with white flower heads; very pretty. Pkt., 10c.

5765 Venosa 1'ft. Largely used for bedding purposes; strong, thrifty grower, covered with bright purple and heliotrope flowers. All the Chicago Parks use this extensively as a bedding plant with Alyssum as a ground cover for the heliotrope-like flowers. Pkt., 10c.



Verbena Vaughan's Best Mixed

Vaughan's Verbenas

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. For beds, borders and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lilies. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost.

Gigantea

This is a new strain of grandiflora verbenas; the plants are compact growers, bearing immense trusses, the individual florets measuring an inch and over in diameter.

- 5701 Gigantea Alba. Pure white.
 - 5702 —Coccinea. Scarlet, small eye.
 - 5703 —Lucifer. Vivid scarlet self.
 - 5704 —Luminosa. Luminous flame-pink shading to salmon.
 - 5705 —Rose Cardinal. Carmine-rose with large white eye.
 - 5706 —Rosea Stellata. A pure rose-pink, with large white eye.
 - 5707 —Violacea Stellata. Deep violet, white eye.
 - 5708 Gigantea Mixed. A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive.
- Each of above. Pkt., 25c.

5730 Vaughan's Best Mixture. It includes all the Mammoth and Gigantea sorts and several other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz., \$3.00; $\frac{1}{2}$ oz., 50c; large pkt., 25c; pkt. 125 seeds, 15c.

**Hybrida**

- 5660 Defiance. An intense scarlet.
- 5661 Lucifer. Vivid scarlet self.
- 5670 Lutea. Yellow.
- 5675 Striped. Mostly light colors with red and blue stripes.
- 5680 White. Dense heads of finely shaped white flowers.
- 5685 Mayflower. Various shades of pink.
- 5695 Firefly. Intense red.
- 5700 Purple Shades. Dark purple.
Each of the above, pkt., 10c.
- 5715 Mammoth Mixed. Producing in handsome umbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple. $\frac{1}{4}$ oz., 40c; pkt., 10c.

- 5750 Citriodora (Lemon-Scented Verbena) □ An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 10c.
- 5755 Erinoides. Forming elegant little spreading bushes with finely cut foliage and pretty heads of bloom, purplish rose changing to Oxford blue. Pkt., 10c.

Giant Zinnias

The most gorgeous annuals with a wonderful range of color. Extremely double flowers with long stems and good keeping qualities, make this old-fashioned flower a joy in the garden. If you plant but one annual, plant this. May be taken up when in full bloom and transplanted without any visible effect. Loves a hot and dry summer and grows without care, although, of course, better results will be displayed with some care. Has no enemies, either insect or fungus.

Dahlia Flowered 3 to 4 ft.

In formation the broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other. The flowers often measure 4 inches in depth and 6 to 8 inches in diameter. In general appearance the flowers compare with the Show Dahlias.

6130 **Illumination.** Similar to Exquisite but a striking self-color of deep rose. (Tyrian Rose.)

6131 **Canary Bird.** A delicate shade of primrose—very large and holds its color well until out of bloom.

6132 **Buttercup.** An immense deep creamy yellow.

6133 **Crimson Monarch.** Rich crimson. By far the largest and best of red shades. Flowers often eight inches in diameter.

6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).

6135 **Exquisite.** By far the most pleasing of our collection. Color light rose with center a deep rose. (Tyrian Rose.)

6136 **Golden State.** A very rich orange-yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.

6141 **Lemon-Yellow.** Golden yellow on brown, fine pastel shade. Very large flowers.

6142 **Meteor.** A rich glowing deep red; darkest of all red shades. Free flowering.

6137 **Old Rose.** This is adequately described by its name, as it is of the real old rose shade; it is large, and for charm and beauty we consider it ranks next to Exquisite.

6138 **Oriole.** It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.

6139 **Polar Bear.** A very large pure white, the best white yet seen in Zinnias. True Dahlia form.

6143 **Purple Prince.** A fine deep purple of fine form.

6140 **Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.

Each of the above, pkt., 15c; any 4 pkts., for 50c.

6145 **Dahlia Flowered Mixed.** All the above and others. A very charming and delightful surprise will be the result if you plant this liberally in your garden. We also might suggest this is especially desirable as a gift packet. Oz., \$1.50; $\frac{1}{4}$ oz., 50c; pkt., 15c.

California Giants 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower from bud to full bloom presents a graceful appearance.

6150 **Lemon Queen.** The petals are light canary on the upper and cerise on the lower side, the two shades blending as the flower develops. It is the only Zinnia with fragrance.

6151 **Orange King.** Similar in color to the Calendula of the same name.

6152 **Orange Queen.** Lighter than Orange King.

6153 **Purity.** A clean pure white.

6162 **Enchantress.**

6163 **Miss Willmott.** Soft pink.

6164 **Cerise Queen.** Beautiful cerise rose.

6165 **Scarlet Gem.**

Each of the above, pkt., 15c; any 4 pkts. for 50c.

6156 **California Giants Mixed.** Oz., \$1.50; $\frac{1}{4}$ oz., 50c; pkt., 15c.



Zinnia Dahlia Flowered Mixed

Colossal or Giant Flowered 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

5925 **White.**

5930 **Cream.**

5935 **Buttercup.** Deep primrose.

5940 **Apricot Yellow** Very desirable.

5945 **Flesh Color.**

5950 **Salmon Shades.**

5944 **Deep Salmon Rose.**

5955 **Shrimp Pink.**

5960 **Pink Shades.**

5981 **Soft Pink.** Same color as Miss Willmott

Verbenia. A charming and delightful shade.

5961 **Rose King.** A new color.

5937 **Bright Rose.**

5962 **Rose Queen.** Tyrian rose with deep rose-red

center.

5965 **Golden Yellow.**

5975 **Orange.**

5936 **Blood-Red.** Ruby red.

5976 **Burnt Orange.**

5977 **Crimson.**

5980 **Scarlet.**

5978 **Lavender.**

5985 **Violet.**

5990 **Purple.**

Each of the above, pkt., 10c.

6015 **Vaughan's Colossal Zinnias, Mixed.** Lb.,

\$12.00; $\frac{1}{4}$ lb., \$3.00; oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt.,

10c.

6170 **Vaughan's Special Mixture** of all Giant sorts including the cream of the Dahlia Flowered Colossal, California Giants and Picotee mixed. This will produce a mass of color and will make a corner gay in the garden. Pkt., 25c. 5 pkts. for \$1.00.



Quilled Type

6158 **Achievement or Victory Mixed.** The petals are partially tubular or quilled giving the flower somewhat the appearance of a cactus dahlia and displaying a rich variety of colors mostly of the warmer shades, such as salmon, old rose, deep rose, lilac, bronze and dark red tones. On the reverse side the petals are light or dark lilac, making a wonderful combination of colors. The plants are of strong, robust growth and produce an abundance of very large, double flowers often 5 inches in diameter. Pkt., 25c.

Giant Picotee

A remarkable new and distinct class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations.

6159 **Golden Pheasant.** A variety of the above, having flowers of a deep orange with maroon tips. Pkt., 25c.

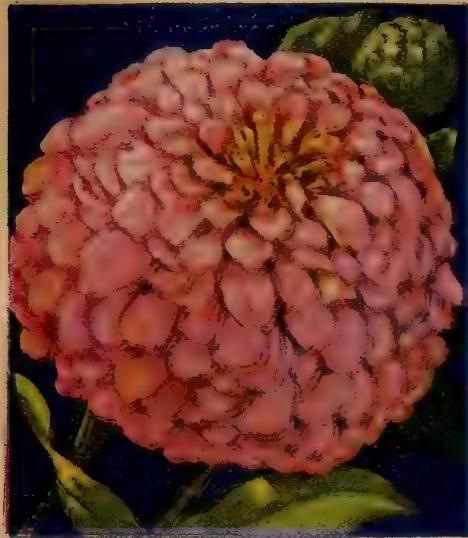
6157 **Giant Picotee Mixed.** Pkt., 25c.



Zinnia Vaughan's Colossal Mixture

Zinnias for Bedding

THESE are smaller and more bushy than the Giant sorts and flower more freely so they can be used to advantage in solid beds and the shortest sorts may be used in edging. The Red Riding-Hood is particularly good used in this way.



Zinnia Pumila Watermelon Pink

Pumila Double 18-in.

Extra double flowers, produced on regular dwarf plants.

- 6080 Snow Ball. 6090 Pink Ball.
- 6085 Golden Ball. 6095 Fire Ball.
- 6100 Watermelon Pink. A very pleasing and charming shade of salmon-rose.
Each of the above, pkt., 10c.
- 6105 Pumila Mixed, all colors. Oz., 75c; $\frac{1}{4}$ oz., 25c; pkt., 10c.
- 6110 Red Riding-Hood. 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective. $\frac{1}{4}$ oz., 30c; pkt., 10c.
- 6115 Mexicana Hybrida. 12 in. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free-flowing and pretty. Pkt., 15c.
- 6120 Mexicana Fl. Pl. 15 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. Pkt., 10c.
- 6125 Mexicana Fl. Pl. Hybrids. Double flowers in various shades. Pkt., 10c.

FLOWERS FROM SEED FOR SHADE

OR SEMI-SHADE

Achillea	Impatiens
Aconitum	Kenilworth Ivy
Aquilegia	Lobelia
Asperula	Lychnis
Balloon Vine	Mimulus
Begonia	Myosotis
Bellis	Nemophila
Campanula	Pansy
Cowslip	Platycodon
Coreopsis	Poppy (Perennial)
Dictamnus	Torenia
Digitalis	Primulas
Godetia	Trollius
Heuchera	Viola Cornuta
	Violet

Elegans Fl. Pl. Double Flowered □ 2½ ft.

5860 Crested and Curled. The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias.

5865 Isabellina. A beautiful cream yellow. A favorite of Mrs. Francis King of Alma, Mich.

5890 Jacqueminot. Blood-red.

5900 Zebra Striped.

Each of above, pkt., 10c.

Liliput Double 12-in.

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.

6060 Scarlet Gem.

6065 White Gem.

6070 Golden Gem.

Each of the above, pkt., 10c.

6075 Liliput Mixed, all colors. Oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt., 10c.

XERANTHEMUM

5849 Double Mixed □ 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt., 10c.



Zinnia Liliput Mixed

WHITLAVIA

5845 Gloxinioides Blue (California Canterbury Bells) □ ft. Flowers deep lavender-blue with white throat resembling small Gloxinias. A very attractive annual which, if better known, would be grown more freely. Try a package this year. Pkt., 10c.

VIOLA CORNUTA (Tufted Pansies)

Though the flowers are not as large as the regular pansies, they bloom so freely that many people consider them superior where a mass of color is desired. The plants bloom for a long period and the colors are particularly clear and distinct. The flowers are light and graceful, and not so stiff as those of the regular pansy.

5806 Alba. Large white flowers.

5807 Admiratio. Violet-blue flowers.

5808 Black Prince. Rich velvety black.

5809 Blue Perfection. Pale blue flowers.

5810 Lutea Splendens. Bright yellow.

5811 Papilio. Flowers soft lavender-purple, lower petals flushed white.

5812 Rose. New, very pretty.

Each of the above, pkt., 10c.

5813 Vaughan's Improved Scotch Pansies. Produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Pkt., 25c.

5814 Cornuta Mixed. Pkt., 10c.



Wild Cucumber

WILD CUCUMBER

5847 Echinocystis Lobata. This is the quickest growing climber on our list. Grows wild self-sown, in many parts of the west. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. $\frac{1}{4}$ lb., 75c; 1 oz., 25c; $\frac{1}{2}$ oz., 15c; pkt., 10c.

Flower Seeds for Fall Sowing

FEW know many of our prettiest and best known annuals may be sown in the fall, in fact some varieties, like the annual Larkspur, are much better treated in this way. The principle is the one Nature uses. Seed dropped from parent plant will lie dormant in the soil until early in the spring when it germinates and begins a root system long before one can get in the ground to sow seed. Consequently the flowering season is prolonged by the earlier blooming. Ground should be prepared and seed sown just previous to the late heavy frosts.

The fall-sown plants, as a rule, are much sturdier and better established on the blossoming date than those started indoors.

Another advantage of fall sowing is that it relieves pressure in the springtime. Care should be taken not to sow too early, as the seed will germinate and die in the fall.

For list see our fall edition of Gardening Illustrated.

COMBINATION OF FLOWERS FOR VASES

Zinnia Dahlia Flowered Buttercup. Echinops Ritro.

Zinnia Elegans fl. pl. Isabellina. Leaves of Prunus Pisardi.



Pansy Vaughan's Giant Mixture

Seeds and Plants of Perennial Specialties

For complete list see pages 77 to 91. Cultural instructions will be found on page 78.

NOTE—All plants are F. O. B. our greenhouses and nursery at Western Springs, Ill. Postage must be added to cover cost of transportation at rates noted, or else they will be sent by express at buyer's expense.



Aquilegia Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.

AQUILEGIA (Columbine)

The Columbine is one of the most beautiful hardy perennials, producing graceful spurred flowers on 2-ft. stems. They are much prized for cut flower purposes, making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation, best if sheltered but exposed to full sun.

7120 **Canadensis (American Columbine).** 1 to 2 ft. May-July. Handsome scarlet and orange flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7125 **Chrysanthia.** 3 to 4 ft. May-August. Yellow, long spurred. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7130 —Fl. Pl. 3 ft. Double golden yellow flowers. Seeds, 15c per pkt.

7135 —**Grandiflora Alba.** 3 ft. Large flowering, pure white, long spurs. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7140 **Coerulea (Rocky Mountain Columbine).** 1 to 2 ft. April-July. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Seeds, 10c per pkt.

7145 —**Rosea (Rose Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7149 **Glandulosa Major.** Very large flower, deep blue and white. Seeds, 25c per pkt.

7150 **Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.** (Seed from the originator.) This strain is allowed by the Royal Horticultural Society to be the best ever raised, and has received awards whenever exhibited. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc. There are no jarring or crude tints, and the whole form a most harmonious mass of coloring seldom seen in other flowers. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7152 **Jaetschauia.** Large-flowered yellow with long, red spurs. Seeds, 25c per pkt.

7155 **Long-Spurred Columbines.** Mixed. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7158 **Long-Spurred Blue Shades.** A good mixture of light and dark blue shades. Seeds, 25c per pkt. Plants, 3 for \$1.00, doz., \$3.50; 100, \$20.00

7160 **Nivea Grandiflora.** 2 ft or more. May-June. Large pure white. Seeds, 10c per pkt.

7165 **Skinneri (Mexican Columbine).** 2 to 3 ft. June-August. Large scarlet and yellow flowers. Seeds, 15c per pkt.

7170 **Vulgaris Alba Plena.** 2 ft. May-June. Double white flowers. Seeds, 10c per pkt.

7175 **Single Mixed.** Many varieties. Seeds, 10c per pkt.

7180 **Double Mixed.** Seeds, 10c per pkt.

7190 **Vaughan's Special Mixture** includes all the above mentioned varieties and many new colors not found in any named collection. Seeds, 25c per pkt.

Order Plants

by name and on the separate order sheet provided for them. Give quantities desired in plain figures and write only one kind on each line.

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c.

Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants.

Order Seeds

The numbers in left-hand column indicate varieties of which we offer seed. This number is a sufficient designation and more acceptable to us than the name when ordering seeds. Where no number appears, we offer plants only. In some cases we offer both seeds and plants.

CAMPANULA MEDIUM—Continued

- 7275 **Calycanthema White.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7280 —**Pink.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7285 —**Blue.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7295 **Medium (Canterbury Bell).** Single white. 2 ft. June. Seeds, 10c per pkt. Plants, 3 for 8 c.; doz., \$2.50; 100, \$15.00.
- 7300 —**Single Blue.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7301 —**Single Lilacina.** A new shade in the well-known perennial family. Seeds, 15c per pkt.
- 7305 —**Single Pink.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7310 —**Mixed Colors (Canterbury Bells).** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7315 —**Double White.** 7320 —**Double Blue.**
- 7325 —**Double Pink.** 7330 —**Double Mixed.** Each of the above, per pkt., 10c.
- 7335 **Lactiflora Coerulea.** Broad-leaved. 2½-6 ft. Light blue. Seeds, 15c per pkt.
- 7337 —**Alba.** White. 2-3 ft. Seeds, 15c per pkt.
- 7338 **Latifolia Macrantha.** 3 ft. Erect stems, large bells, violet-blue. Seeds, 15c per pkt.
- 7340 **Persicifolia (Peach Bells).** Blue. 2-3' ft. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7345 —**Alba.** White. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7350 —**Mixed.** Blue and White. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7351 **Persicifolia Coerulea Plena.** Double blue peach bells. Height, 30 in. Seeds, 35c per pkt.
- 7352 —**Alba Plena.** Double white. Seeds, 35c per pkt.
- 7355 **Pyramidalis (Chimney Bellflower).** Blue. 5-6 ft. Seeds, 10c per pkt.
- 7360 —**Alba.** Seeds, 15c per pkt.
- 7365 —**Mixed.** Seeds, 10c per pkt.
- 7366 **Rotundifolia.** 6-12 in. One of the prettiest species, slender branching stems, covered with dainty frail blue flowers. Seeds, 15c per pkt.
- 7367 **Trachelium. (The Nettle-Leaved Bell-flower.)** 2-3 ft. Crowded heads of lavender-blue flowers. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7370 **Vaughan's Special Mixture.** A grand assortment of all varieties. Fine for cut flowers. Seeds, 25c per pkt.

COREOPSIS (Tickseed)

For illustration see next page.

One of the most popular hardy plants; the flowers are a rich golden yellow of a beautiful graceful form and bloom June to October.

7495 **Lanceolata Grandiflora.** 2 ft. June-October. Large orange-yellow flowers on long graceful stems. About the best yellow cut flower blooming incessantly. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



Canterbury Bells Campanula Medium, Single Mixed Colors

- 7260 **Carpatica (Harebell).** 9 in. July. Pretty blue, dwarf. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7265 —**Alba.** 9 in. July. Pure white. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7270 **Medium Calycanthema (Cup and Saucer).** Mixed colors. 2 ft. June to August. Seeds, 10c per pkt.

Prices of Plants

The time involved in assembling long lists of plants when ordered one of a kind, compels us to charge proportionately higher for single plants; on the other hand we make the price of twelve and three-of-a-kind so attractive that it should induce our customers to buy at least three-of-a-kind.

Relative Prices are as follows:

Plants priced at	per dozen.	3 supplied for Each		
		. \$2.50	. . . . . 1.00	. . . . . 0.85 .35
3.50				.45
4.00				.50
4.50				.55
5.00				.65

25 plants of a variety at the 100 rate where listed by the hundred.



Campanula Calycanthema (Cup and Saucer) Mixed

Seeds and Plants of Perennial Specialties



Delphinium Vaughan's Gold Medal Hybrids

DELPHINIUM—Continued

7541 **Summer Cloud.** The flowers are pure white and come true from seed. A great addition to the perennial border. Seeds, 50c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$15.00.

7545 **Formosum.** 3 ft. June-July. Deep blue white eye, open spike. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7550 **Belladonna (Light Blue).** 2 ft. June-July. Flowers exquisite shade of turquoise blue. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7551 **Bellamosum.** This is a dark form of the popular light blue Belladonna with intensely rich, deep blue flowers. It is better than Formosum, grows taller, and will not mildew like Formosum. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7555 **Indigo.** 4 ft. Pure indigo-blue, comes true from seed. Seeds, 35c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

—**Lamartine.** July-August. Dark blue. 3 ft. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7560 **Nudicaule.** 1-1½ ft. April-July. Dwarf brilliant scarlet flowers. Seeds, 25c per pkt.

7561 —**Lemon Gem.** Clear yellow self. Seeds, 25c per pkt.

7563 —**Chamois.** Seeds, 25c per pkt.

7570 **Vaughan's Gold Medal Hybrids.** This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Seeds, 50c per pkt.; ½ oz., \$1.00. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7571 **Vaughan's Special Mixture.** This contains the Elatum varieties, both double and single, the Butterfly Chinese and all the various kinds and will supply a wonderful array of bloom in the garden all summer long. Seeds, 35c per pkt.



Daisy Shasta Alaska

DELPHINIUM (Perennial Larkspur)

Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 ft.; for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. They thrive in almost any situation or soil and are easily increased, being perfectly hardy. A good, deep, rich soil will repay with larger and better flowers. Remove the flower before the seed pods form and they will flower later in season again.

The **Butterfly Delphiniums** are forms of Delphinium Chinense, height 2-3 ft. Though perfectly hardy perennials, they have the special merit of developing to full size the first year, when sown in frame in February or March. All three colors are large flowered.

7510 **Blue Butterfly.** Pure deepest blue. Seeds, 15c per pkt.

7511 **Lavender Butterfly.** Pure palest blue. Seeds, 15c per pkt.

7516 **White Butterfly.** Pure white with sulphur buds. Seeds, 15c per pkt.

7517 **Cardinale.** "Scarlet Larkspur," a native California species with long spikes of scarlet flowers. 2-3 ½ ft. July-August. Seeds, 25c per pkt.

7520 **Chinese Blue.** 2-3 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7525 —**Album.** 2-3 ft. Pure white. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7530 —**Mixed.** Seeds, 10c per pkt.

7535. **Elatum Hybridum, Single Mixed.** 3 ft. June-August. Seeds, 10c per pkt.

7540 —**Double Mixed.** 3 ft. Seeds, 15c per pkt.



Dianthus Barbatus Vaughan's Special Mixture

DIANTHUS BARBATUS (Sweet William)

Sweet Williams look well in solid beds of masses and require a good, rich, well manured soil to grow them to perfection. Excellent border plants and fine for cut flowers. Plants grow 18 to 24 in. high.

7635 **Scarlet Beauty.** A charming and distinct color. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7640 **Copper Red.** A new and rich color. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7645 **Diadematus.** One of the prettiest; flowers rose, spotted and sprinkled with white. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7650 **Johnson's Giant.** The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7655 **Nigrescens.** Almost black. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7660 **Pink Beauty (Newport Pink).** Seeds, 10c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

DIANTHUS BARBATUS—Continued

7665 **Single Albus.** White. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7670 —**Atro-sanguineus.** Blood-red. Seeds, 10c per pkt.

767 —**Roseus.** Pink. Seeds, 10c per pkt.

7685 **Single Giant-Flowered Mixed.** Seeds, 10c per pkt.

Double Varieties

7690 **White.** 7700 **Blood-Red.**

7695 **Rose.** 7705 **Mixed.**

Each of above, pkt. 10c.

7710 **Double Giant-Flowered Mixed.** Seeds, 15c per pkt.

7715 **Vaughan's Special Mixture, Sweet William.** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

CHRYSANTHEMUM (Hardy Daisy)

Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well.

740 **Maximum King Edward VII.** 2 ½ ft. Very large white flowers on stout stems. Blooms all summer. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7500 **Maximum, Daisy Shasta Alaska.** 2-2 ½ ft. Wonderfully large white flowers on stout stems borne in great profusion all summer. Splendid also for cutting. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



Digitalis Vaughan's Special Mixture

See next page for description



Coreopsis Lanceolata Grandiflora

Seeds and Plants of Perennial Specialties



Gaillardia Grandiflora Mixed

GAILLARDIA (Blanket Flower)

June to October. 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.

7810 **Grandiflora.** Mixed. Composite flowers, variegated with shades of red and yellow. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7815 **Semi-plena.** Double row of petals, yellow with red center. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7820 **Compacta.** Varied colored compact flowers well above foliage. Seeds, 10c per pkt.

7825 **Kermesina Splendens.** Center crimson, canary-yellow border. Seeds, 10c per pkt.

7826 **Stand-Holder.** Large flowers, more or less yellow bordered, and with lighter or darker red wings around the center. The petals are broad but occasionally tubular with an inclination to doubleness. Blooms early and the stems are stiff and long. Pkt., 25c.

7827 **Maxima.** Very fine gold and yellow flowers. Pkt., 20c.

7828 **Mastadonte.** Large flowered, pure yellow. Pkt., 20c.

7830 **Sulphurea Oculata.** Pale yellow, maroon eye. Seeds, 10c per pkt.

7835 **New Hybrids.** Very large flowers, in a great variety of colors. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.



Myosotis Vaughan's Early and Late Flowering

DIGITALIS (Foxglove)

These produce spikes of blossoms 3 to 5 ft. high. Stately old garden favorites for garden, shrubbery borders and naturalizing in suitable places.

7750 **Grandiflora.** 2 to 3 ft. June-July. A hardy plant with yellowish flowers marked with brown. Effective in groups. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7730 **Gloxiniaeflora, White.** Flowers shaped and spotted like a gloxinia. 2-4 ft. June-July. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7735 **Pink.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7740 **Purple.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7745 **Mixed Colors.** Seeds, 10c per pkt.

7755 **Maculata Iveryana.** Splendid spotted. Seeds, 10c per pkt.

7760 **Monstrosa Mixed.** Long spikes surmounted by one enormous flower. Seeds, 10c per pkt.

7765 **Purpurea Mixed.** Many colors. Seeds, 10c per pkt.

7768 **The Shirley Hybrids.** 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7769 **Hybrida Lutizii.** New salmon hybrids. Seeds, 20c per pkt.

7775 **Vaughan's Special Mixture of Digitalis.** A grand mixture of the above, and many other colors, grown especially for this mixture. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



Hollyhock Double Vaughan's Prize Mixture

HOLLYHOCK

One of the best hardy garden flowers. Makes a charming hedge or background. 6 to 8 ft. August-September.

Double Varieties

7970 White	7990 Salmon
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7975 Maroon	7992 Yellow
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7980 Rose	7995 Crimson
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7985 Black	8000 Blood-Red
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Each color. Seeds, 10c per pkt. Plants, of the following colors: **Yellow, Maroon, Pink, White, Red or Mixed.** 3 for 85c; doz., \$2.50; 100, \$15.00.

8005 **Newport Pink.** The finest pure pink, exquisite shade. Seeds, 15c per pkt.

8010 **Allegheny Mixed.** Flowers come single, semi-double and double, about 5 inches across, and are beautifully fringed. They are perpetual bloomers, 2 to 4 buds forming at the base of every leaf, where the old-style Hollyhocks have but 1 or 2. These buds open in succession, prolonging the flowering season until autumn. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8015 **Vaughan's Prize Double Mixture.** Finest shades in perfect flowers. Seeds, $\frac{1}{4}$ oz., 40c; 10c per pkt.

See Also Novelties

Single Varieties

More permanent and hardy than the double and when planted with a deep green background, such as arborvitae hedge, they afford a most striking effect. Fine among shrubbery and will last for years when once established.

8020 Red	8040 Rose
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8025 Pink	8045 White
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8030 Black	8050 Salmon
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8035 Flesh	8051 Yellow
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Each, Seeds, 10c per pkt.

8055 **Mixed.** Seeds, $\frac{1}{4}$ oz., 30c; 10c per pkt.

MYOSOTIS (Forget-Me-Not) 4 to 9 In.

The true Forget-Me-Nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. We list the seeds of Alpestris varieties among annuals as they are better treated as such by those who have no hot-bed or cold frame accommodations for wintering the yearling plants.

8230 **Dissitiflora.** Rich blue, early and compact. One of the best. Seeds, 10c per pkt.

8235 **Palustris.** The true Swamp Forget-Me-Not. Seeds, 20c per pkt.

8240 **Palustris Semperflorens.** Dwarf blue, in flower from early spring until autumn. Seeds, 20c per pkt.

8245 **Vaughan's Early and Late Flowering.** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky-blue with a delicate white center. Plants may be in bloom at any time of the year. Seeds, 10c per pkt.



Pyrethrum Roseum Hybrida Grandiflorum

Vaughan's Hardy Climbing Vines

Flower lovers and gardeners know how indispensable are Vines and Climbers for beautifying one's place, especially near the house. Roses and Honeysuckles about the front porches with perhaps a vine or two of the Chinese Wisteria to climb as high as the roof, are always prettier when ivy-clad. Then going around to the rear of the house, if you have a trellis to cover, or want a screen for certain buildings, get more Honeysuckle and if you need something to cover a large space quickly, try the Kudzu vine; the Trumpet Creeper is also good. The following are the best climbers for arbors, arches, trellises; porches, etc. Remember how pretty an arbor can be. Even grapevines make a good covering.

Plant Clematis, Climbing Stone or brick walls are



WISTERIA

CELASTRUS (Bittersweet)

Celastrus Articulatus (Japanese Bittersweet). Vigorous climber with almost round, bright green leaves, and orange-yellow capsules in the fall. This variety fruits earlier and more freely than *C. scandens*, and is one of the best vines to be had for a porch. Strong vines, 2-yr., 75c; 3-yr., 90c.

Celastrus scandens (Climbing Bittersweet). A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2-yr. vines, each, 75c; 3-yr., 90c.

CLEMATIS

CLEMATIS JAPANESE (*Clematis paniculata*)

The finest small-flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Easiest to grow and most popular of all the small-flowered vines. 2-yr., 60c; 3-yr., 70c; 4-yr., 80c; pot-grown, \$1.00.

LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. They need rich, deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

Henryi. Strong grower, flowers always eight-petaled, 4 to 6 inches in diameter and pure white. Very hardy. 2-yr., \$1.00.

Jackmanii. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring. 2-yr., \$1.25.

Mad. Edward Andre. Flowers large, of a very beautiful bright velvety red, very free flowering, and continuous bloomer. 2-yr., \$1.00.

Gold Medal Collection. One 2-year-old root, each, *Jackmanii*, *Henryi* and *Mad. Edward Andre*, \$3.00.

Can supply Large-Flowering Clematis in pot-grown plants after May 1st.

VARIOUS SPECIES OF CLEMATIS

Coccinea. Bell-shaped flowers, bright coral-red; blooms from June until frost. Each, 75c. Pot-grown after May 1st.

Crispa. Fine deep blue, with a white border and deliciously fragrant. Each, 75c. Pot-grown after May 1st.

HONEYSUCKLES (*Lonicera*)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees, and if used on terraces or embankments will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

Heckrottii. Remarkable for large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season. 2-yr., 75c.

Semperflorens (Trumpet Honeysuckle). Fuchsia-like scarlet flowers, very free and beautiful. 2-yr., 60c; 3-yr., 75c.



CLEMATIS PANICULATA

HALL'S JAPANESE HONEYSUCKLE (*Lonicera Halliana*)

This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, porches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. The best bloom of all. 2-yr., 60c; per 10, \$5.00. Pot-grown, ready May 1st, 75c.

KUDZU VINE (*Pueraria Thunbergiana*) or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and woolly. Fine for porches, arbors, old trees, etc. Strong roots, each, 50c.

MATRIMONY VINE (*Lycium*)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place. Strong, 2-yr., each, 50c.

POLYGONUM (Silver Lace Vine)

The plant is of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. This vine does well in the East, in the Middle West and the West. 2-yr., \$1.00. Pot-grown after May 1st.

WISTERIA

Magnifica (American Purple Wisteria). A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long, pendulous racemes in advance of the opening of the foliage. 2-yr., extra strong, 75c; 3-yr., 85c.

Sinensis Purple (Chinese Wisteria). A very strong growing vine that climbs high and twines tightly. Blooms very profusely early in summer; flower sky-blue, in long, pendulous clusters. The plants we offer are grafts propagated from blooming wood. 2-yr., \$1.00.

Sinensis Alba (White Chinese Wisteria). Same as the *Sinensis Purple* except that the flowers are pure white. 2-yr., \$1.00.

Vaughan's Nursery Catalog

LISTING and illustrating the most popular and meritorious ornamental shrubs, shade trees, small fruits, fruit trees, and vines, will be sent free on request. We sell to customers at one profit, and our prices are much lower than those you will pay to salesmen. Our nurseries are in Western Springs, Ill., eighteen miles west of Chicago on the C. B. & Q. Railroad. The grounds are on Wolf road, two blocks south of West Forty-seventh street.



The Charm of a Rock Garden

INTEREST in rock gardening, long a pleasing feature in European gardens, in recent years is showing a great increase among American gardeners. It is a fascinating subject. Collecting the rocks is interesting. In some gardens nearly every rock has a history. These pretty green ones we picked up while enroute home from the South; the lovely gray ones when we were camping in Wisconsin, and the rich brown ones are a memento of a trip East.

Rock gardening intrigues because it is a thing of growth; each year adds to its beauty. Alpine plants transform the rocks into a gigantic artist's palette covered with splashes of vivid and harmonious colors. Alpines are perennials. Annuals may be used the first year to fill in until the perennials get fully established. On page 50 we offer a list of annuals suitable for this purpose.

Formation and coloring of the foliage are points to be considered in selecting rock plants. Good drainage is necessary and so is rich soil, as the amount of soil is limited, so the plants have to secure their sustenance from a small area. Culture is the same as other perennials.

Prepare a seed bed in a sheltered position where the amount of sunshine and moisture can be controlled; pulverize the soil carefully and sow the seeds in rows to the depth of not more than four times the size of the seed (fine seed to be merely covered). When seedlings are large enough, transplant in rows in the garden. In transplanting, dig a larger hole than the root calls for and incorporate in the

bottom a trowful of well rotted manure, covering the manure with soil so that the roots will not come in contact with the manure until they are in want of additional nourishment.

Notes should be kept each year of time of blooming of all plants. Plants should be set in groups of one color for best effect. For instance, in pansies have only a mass of blue (Lord Beaconsfield) and if the garden is large enough have another of pure yellow. Many books on the subject give one complete

information. Kindly refer to page 108 for books we offer especially recommending "A Simple Guide to Rock Gardening," by Sir James L. Cotter. Price, \$1.10 the copy.

Early in the spring *Arabis Alpina* or Rock Cress appears. It gives an impression of a forgotten snowdrift; *Alyssum Saxatile Compacta* (Basket of Gold) is like splashes of sunshine. *Myosotis* in a moist corner will reflect heaven's blue; *Phlox Subulata Rosea* (plants only) will give a needed pink touch.

In bulbs we may use *Crocus* or *Snowdrops* and *Grape Hyacinths*. As these are saying farewell others take their places.

Dianthus Plumarius are a gay lot and there are demure little tufted Pansies with their bright faces; *Bellis perennis* or English Daisies with their tidy little flowers in pink and white. *Iris Pumila Cyanea* (plants only), low growing early flowering purple not to be confused with larger and later flowering irises, begins the season's procession of color in the rock garden.

There are many excellent rock garden plants which may be grown from seed. In our perennial pages following each variety suitable for a rockery is marked by this symbol +. Among those easiest to grow from seed are: *Campanula Turbinata*, which provides blue in the early spring, growing 6 inches high; *Asperula Odorata*, white and pink, 9 inches; *Saxafragas*, white and rose; *Gypsophila Repens*, white; *Nepeta Mussini*, blue; *Candytuft sempervirens*, white; *Oenothera Missouriensis*, yellow; *Eadelweiss*, white.

Flowers Suitable for Rock Gardens

4578 Special Offer of Annuals

- Alyssum Little Gem*
 - Lobelia Bedding Queen*
 - Nasturtium Dwarf Empress of India*
 - Petunia Rosy Morn*
 - Phlox Nana Compacta*. Salmon rose
 - Portulaca Single Yellow*
 - Sanvitalia Procumbens fl. pl.*
 - Whitavia Gloxinoides Blue*
- 1 pkt. each above for 75cts

4579 Special Offer of Perennials

- Alyssum Saxatile Compactum*
 - Arabis Alpina*
 - Bellis perennis fl. pl. Mammoth Pink*
 - Campanula Carpatica*
 - Dianthus Plumarius Red Cyclops*
 - Gypsophila Repens*
 - Viola Cornuta Lutea Splendens*
 - Myosotis Disstisflora*
 - Poppy Nudicaule yellow*
- 1 pkt. each of above for 75cts

4577 Special Offer 1 collection each 4578-4579 as noted above \$1.50

Vaughan's Perennial Flower Seeds and Plants

Note—All plants are F.O.B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted or else they will be sent express at buyer's expense.

Plants Marked + Suitable for Rock Gardens



ACHILLEA, The Pearl

ACANTHUS

7000 *Latifolius*. August. 3 ft. Handsome plant, broad deeply cut leaves; beautiful for solitary plants in lawn or for grouping with other plants. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7005 *Mollis*. Flower spikes 4 ft. high of white and lilac flowers. Seeds, 10c per pkt.

ACHILLEA (Milfoil, Yarrow)

Achilleas are of easy culture and grow in any good garden soil, but preferring sun. They are useful for the border, wild garden or shrubbery; also for cutting.

7007 *Ageratum*. A pretty alpine of compact habit. Yellow, sweet-scented. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7008 *Parker's Variety*. 2½ to 3 ft. June-Sept. Clear yellow flower-heads. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7009 *Millefolium Kelwayi*. Dark blood-red. Seeds, 50c per pkt.

7010 *Ptarmica, The Pearl*. 2 ft. June to Augus. Pure white, fine for cutting; blooms all summer. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

ACONITUM (Monkshood)

Bold spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies, thriving anywhere. Do not plant near vegetable gardens. Roots are poisonous.

7015 *Fischeri*. 2 ft. September. Large porcelain blue flowers. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

—*Spark's Variety*. 2½-3 ft. July-August. Darkest blue of all. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7020 *Napellus*. 2½ ft. July-August. Fine rich blue flowers. Seeds, 10c per pkt.

7025 *Wilsonii*. 5'-6 ft. September. Violet-blue flowers. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00

ACTAEA (Baneberry)

A very hardy plant; does well in shady places. Useful in the border, rock and wild gardens.

—*Spicata*. 1½ ft. May-June. Flowers white, producing clusters of white berries in fall. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Rubra*. 1½ ft. May-June. Flowers white; berries bright red. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

ADLUMIA (Alleghany Vine)

7030 *Cirrhosa*. 15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant. Seeds, 10c per pkt.

ADONIS

7035 *Vernalis*. 18 in. May. Large star-shaped yellow flowers. Seeds, 10c per pkt.

AGATHEA

7040 *Coelestis* (Blue Daisy). Flowers sky-blue with yellow disk, easy growth. Useful in the border, for bedding and as a pot plant. Seeds, 10c per pkt.

Order Plants

by name and on the separate order sheet provided for them. Give quantities desired in plain figures and write only one kind on each line.

Prices of Plants

The time involved in assembling long lists of plants when ordered one of a kind, compels us to charge proportionately higher for single plants; on the other hand we make the price of twelve and three-of-a-kind so attractive that it should induce our customers to buy at least three-of-a-kind.

Relative Prices are as follows:

Plants priced at	per dozen..	3 supplied for		Each
		\$.250	\$.350	\$.45
4.00			1.00	.45
4.50			1.25	.50
5.00			1.35	.55
			1.50	.65

25 plants of a variety at the 100 rate where listed by the hundred.

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single pl. nts. 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

Order Seeds

The numbers in left-hand column indicate varieties of which we offer seed. This number is a sufficient designation and more acceptable to us than the name when ordering seeds. Where no number appears, we offer plants only. In some cases we offer both seeds and plants.

AGROSTEMMA

7045 *Coronaria Varieties Mixed*. Attractive free-flowering, producing bright-colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting; 1 to 2 ft. June-September. Seeds, 10c per pkt.

7048 *Coronaria Atrosanguinea*. Blood-red. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$3.50; 100, \$15.00.

7049 *Hybrida Walkeri*. Brilliant rose-colored flowers. Seeds, 10c per pkt.

7050 *Flos Jovis*. 1 ft. Beautiful pink flowers. Seeds, 10c per pkt.

AJUGA (Bugleweed)

A useful plant for the rockery and for carpeting the ground, particularly in shady positions, as under trees where grass will not grow.

+*Reptans*. 3 to 4 in. May-June. Deep purplish blue flowers. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

ALSTROEMERIA

7052 *Aurantiaca*. Belongs to the Amaryllis family, quite hardy, flowers orange color streaked with red. A well established plant will produce five to six flower stalks carrying ten to fifteen blooms. Pkt., 25c.

7053 *Pulchra*. Known as St. Martin's Flower. Flowers purplish on outside, edges sulphur-white, with fine yellow upper segments dotted with deep red spots. They require some protection during winter. Pkt., 25c.

ALYSSUM (Madwort)

Showy spring-flowering plants. Valuable for front row in border or rock garden.

7054 +*Argenteum*. Dwarf, dense grower, yellow flowers, in bloom all summer, leaves silvery underneath. Seeds, 10c per pkt.

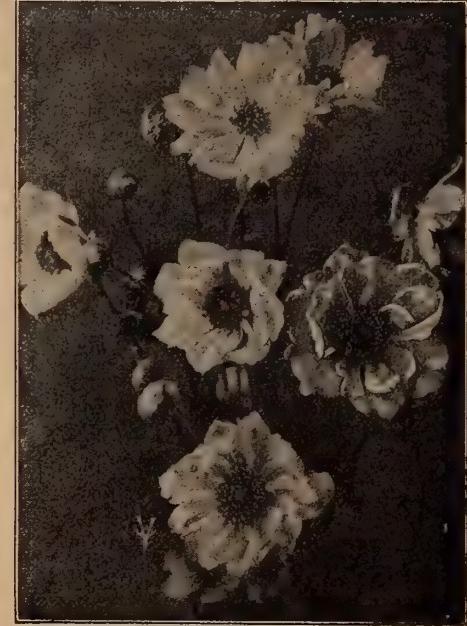
7055 +*Saxatile Compactum* (*Basket of Gold*). 1 ft. May-June. Producing masses of golden flowers very early. May be planted effectively with *Arabis*. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7056 +*Saxatile Compactum Sulphureum*. Pale lemon-colored flowers. Seeds, 15c per pkt.

7057 +*Wulfenianum*. 6 in. Creeping, small leathery silvery gray foliage, flowers large light yellow, in loose showy head. Seeds, 15c per pkt.

AMPELOPSIS

7060 *Veitchii* (Boston Ivy). Small leaved, self-clinging, hardy vine. Seeds, 10c per pkt.; 50c per oz. For Plants see Hardy Vines, page .



ANEMONE Japonica

ANCHUSA

7070 *Italica*, Dropmore Variety. 5 ft. June-July. Beautiful gentian-blue flowers, one of the best perennials. Thrives best in partial shade. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50.

7072 —*Opal*. 3-5 ft. June-July. A splendid lustrous light blue. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50.

7071 +*Barrelieri*. Dwarf early flowering blue. 30 inches tall. Seeds, 15c per pkt.

ANEMONE (Wind Flower)

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.

7075 +*Coronaria* (Poppy Anemone). Mixed colors. Early spring-June. 6-12 in. Seeds, 10c per pkt.

7090 +*Coronaria St. Brigid's Strain*. May-June. Double and single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. Seeds, 20c per pkt.

—*Japonica Alba*. Pure white, showing yellow anthers. 2 to 3 ft. Sept.-Oct. Plants, 3 for \$1.00; doz., \$3.50.

—*Japonica Queen Charlotte*. A strong grower, producing large semi-double pink flowers. 2 to 3 ft. Sept.-Oct. Plants, 3 for \$1.00; doz., \$3.50.

—*Japonica Whirlwind*. Semi-double white. 2 to 3 ft. Sept.-Oct. Plants, 3 for \$1.00; doz., \$3.50.

7089 *Pennsylvanica*. 1-2 ft. May-July. White flowers, cup-shaped, 1-2 inches across on strong stems. Leaves much divided. Erect plant. Seeds, 25c per pkt.

7090 +*Pulsatilla*. 1 ft. April-May. Well adapted for rockwork or border, flowers varying from lilac to purple. Seeds, 10c per pkt. Plants, 3 for \$1.00; doz., \$3.50.

7095 +*Pulsatilla Rubra*. 6 to 9 in. April-May. Dark red with erect flowers. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50.

7100 *Sylvestris*. (Snowdrop Windflower.) Large, nodding, sweet-scented white flowers, tinged lavender. 1 to 1½ ft. April-May. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50.

ANTHEMIS (Marguerite)

These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil but needing full sun. The flowers are yellow.

7110 *Kelwayi* (Hardy Marguerite). 2 ft. Daisy-like yellow blossoms, produced all summer. Excellent for cutting. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7111 —*Alba*. Hardy white Marguerite. 3 ft. Seeds, 15c per pkt.

7115 *Tinctoria*. Very useful yellow border plant. 2 to 3 ft. June-Oct. Seeds, 10c per pkt.

Vaughan's Perennial Flower Seeds and Plants



ARTEMISIA Lactiflora

AQUILEGIA (Columbine)

7119+*Alpina*. Blue. 24 in. April-July. Seeds, 15c per pkt.

For other varieties see colored pages.

ARABIS (Rock Cress)

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings. They do well in any soil, but need plenty of sun.

7195+*Alpina*. 6 in. A most useful hardy perennial for spring bedding and rockeries. Early in the spring the pure white flowers make a pleasing contrast in beds and borders with Alyssum Saxatile Compactum. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

ARTEMISIA

—*Lactiflora* 4 to 4½ ft. September-October. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

ARISTOLOCHIA

7200 *Siphon* (Dutchman's Pipe). 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers shape of a Dutchman's pipe, hence its name. Rich soil is the best. Requires protection in winter. Seeds, pkt. (10 seeds) for 20c.

ARMERIA (Thrift Sea Pink)

Grand plants for crevices of wall and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea coast. Also grown as pot plants. June-July.

7205+*Alpina*. Purple flowers in July. Seeds, 10c per pkt.

7210+*Formosa*. 9 in. Pretty rose pink. Fine for borders. Seeds, 10c per pkt.

7211 *Formosa Hybrida*. 24 in. Early summer. Seeds, 15c per pkt.

7218+*Lauchiana*. 6 in. June-August. Crimson flowers deep green tufty foliage. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7219+*Maritima*. 3 to 6 in. May-June. Silvery pink flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

ARENARIA

7214+*Montana*. White. 12 in. June-August. Seeds, 25c per pkt.

ASCLEPIAS (Butterfly Weed)

7220 *Tuberosa*. 2 ft. One of the most showy of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

ASPERULA

7222+*Odorata* Woodruff or Waldmeister. An herb whose leaves are used in making beverages or when dried used to lay among linens. 6 to 8 in. Also useful for carpeting, shady places and for edgings. Seeds, 10c per pkt.

7222a *Hexaphylla*. Has a delicate misty spray and may be used with sweet peas and other cut flowers to lighten the effect. 3 ft. Seeds, 15c per pkt.

ASPHODELINE (Asphodelus)

7223 *Lutea*. Ornamental tufts of glaucous blue foliage, terminal spikes of attractive golden yellow flowers, unique for naturalizing. 2 to 4 ft. June-July. Seeds, 15c per pkt.

ASTER.

Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.

—*Alpinus*. Indispensable for the rockery or edge of hardy borders; grows 3 to 10 in. high and bears large showy bluish purple flowers in May and June. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. 7227+*Alpinus Goliath*. Soft blue, large, 15 in. Seeds, 20c per pkt.

7227+*Alpinus Nixe*. Light blue, star-shaped, 12 in. Seeds, 15c per pkt.

7228+*Subcoeruleus*. Light color, 15 in. Seeds, 20c per pkt.

7225 *Perennial Large Flowering Mixed*. Various shades of blue. Seeds, 25c per pkt.

—*Joan Vaughan* (New). 2-3 ft. Finest double with very large mauve blue flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Novi-Belgii Cloudy Blue*. 4 ft. September-October. Fine pale blue semi-double flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Novi-Belgii St. Egwin*. October-November. Pink. 2½-3 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Novi-Belgii Well's White*. 4 ft. September-October. Large white flower. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



ASTER Climax

—*Novi-Belgii Climax*. October-November. Lavender-blue. 5 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Novi-Belgii Climax White*. October-November. Pure white. 5 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Novae-Angliae*. 3-5 ft. September-October. Deep purplish blue. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Novae-Angliae Roseus Superbus*. This is a new introduction and is by far the best aster we have seen. Color almost red and a profuse bloomer. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

AUBRIETIA

7230+*Large-Flowered Hybrids*. Aubrietas produce great masses of bloom and are charming companions to Yellow Alyssum and White Arabis. Grows well from seed. Sow in June and plant out in autumn where required for flowering in spring. A valuable strain including a wide range of many unusual colors which cannot be fixed and offered separately. Height 6 inches. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7231+*Bougainvillei*. Same as above, only the color of the flowers is dark blue. Seeds, 25c per pkt.

BAPTISIA

7235 *Australis (False Indigo)*. 2-4 ft. Beautiful racemes of pea-shaped indigo-blue flowers appearing in mid-summer. Seeds, 10c per pkt.

BIGNONIA

7237 *Radicans (Trumpet Vine)*. A robust tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. Seeds, 15c per pkt.

BOCCONIA

7240 *Cordata (Plume Poppy)*. 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. Seeds, 10c per pkt.

BOLTONIA (False Chamomile)

This Aster-like hardy plant is useful for cutting, remaining in bloom a long time; requires good rich soil and an open situation in border or shrubbery.

7245 *Asteroides*. July-October. 4-6 ft. White. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7250 *Latisquama*. 4-5 ft. July-October. Delicate pink. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Latisquama Nana*. Dwarf form. 2 ft. Plants, 3 for 85c; doz., \$2.50.

BUDDLEIA (Butterfly Bush or Summer Lilac)

A small shrub bearing exquisite tapering spikes of lilac-mauve flowers; requires same protection as roses during winter.

7251 *Variabilis Veitchiana*. 3-8 ft. July-September. Mauve. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Plant in Spring.

BUPHTHALMIUM

Showy, hardy, herbaceous, perennials belonging to the lavender order, with Thyme-like flowers, useful for cutting, also for mixed border.

7254 *Cordifolium (Speciosum)*. 3 ft. Heart-shaped, coarsely toothed leaves, very large orange-yellow flowers with brownish center. Flowers in July. Seeds, 15c per pkt.

7255 *Salicifolium*. 1 to 2 ft. Bears large yellow solitary flowers in June. Seeds, 10c per pkt.

CALAMINTHA

7257+*Alpina*. 6 in. A very graceful little rock plant, spreading tufts of pretty foliage, spangled with lavender blue flowers. Seeds, 3c per pkt.

CALLIRHOE

7256+*Involucrata (Poppy Mallow)*. A showy, trailing, hardy perennial bearing continuously from early summer till fall; large, bright crimson saucer-shaped flowers; looks best on the rockery, but can be used in front of the hardy border. Seeds, 15c per pkt.

CARDUUS

7375 *Marianus*. Scotch Thistle, with green variegated leaves and deep lilac flowers. Seeds, 15c per pkt.



BUDDLEIA (Butterfly Bush)

Vaughan's Perennial Flower Seeds and Plants



CIMICIFUGA

CAMPANULA

+**Rotundifolia.** 6-12 in. One of the prettiest species, slender branching stems, covered with dainty frail blue flowers. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Punctata var. Marian Gehring.** (New Perennial Canterbury Bell.) Hybrid between Punctata and Medium. Flowers pale lavender. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7361+**Turbinata.** 6 in. A beautiful variety forming close mats of foliage and bearing large cup-shaped flowers of blue, sitting close to the plant and fairly smothering it. June-July. **Seeds**, 20c per pkt.

7362 +**Alba.** Same as above with white flowers. **Seeds**, 15c per pkt.

For other Campanulas see Colored Section
CANDYTUFT—See Iberis

CANTERBURY BELLS—See Campanula Medium. See Colored Section

CARNATION

GRENADE

1 ft. A valuable bedding variety with double flowers blooming first year from seed if sown early. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7385 +**Triumph, Rose.** **Seeds**, 15c per pkt.

7390 +**Dark Velvety Brown.** **Seeds**, 15c per pkt.

7395 +**Scarlet.** **Seeds**, 10c per pkt. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7400 +**White.** **Seeds**, 20c per pkt. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7401 +**Mixed.** **Seeds**, 15c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

7402 +**Dwarf Red.** This is dwarfer than the one offered above and is more suitable for rock work and edging and pot culture. **Seeds**, 25c per pkt.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double and very large flowering. The color display is magnificent, ranging from lustrous light scarlet to deep purple, from delicate flesh to carmine rose, pure white, yellow and violet and also the light picotees are included. Flowering period is at least 14 days earlier than any other Carnations of that class.

7405 +**White.** **Seeds**, 15c per pkt.

7410 +**Rose.** **Seeds**, 15c per pkt.

7415 +**Mixed.** **Seeds**, 10c per pkt.

7420 +**Double Mixed, Extra Choice.** **Seeds**, 15c per pkt.

CASSIA (American Senna)

7376 **Marylandica.** 3 to 4 ft. July-August. A bushy growing plant with large panicles of bright yellow, curiously shaped flowers in abundant axillary clusters. **Seeds**, 10c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

CATANANCHE (Cupid's Dart)

Has hoary, lance-shaped leaves, and crisp chaff-like flowers resembling those of the everlasting. Belongs to the Daisy order and is an attractive plant when in flower. Flowers are useful for cutting.

7377 **Cerulea.** Has large blue flower in great profusion. 2 ft. Fine for cutting blooms in June to September. **Seeds**, 10c per pkt.

7378 **Cerulea fl Albo.** Pure white flowers. **Seeds**, 10c per pkt.

CENTAUREA (Hardheads, Knapweed)

The flower heads are like showy, ragged thistle blooms of bright red, deep purple, golden yellow and blue. They grow 2 to 3½ ft. tall and bloom during summer months.

7379 **Dealbata.** This variety has flowers which are lilac-pink to white, in the center, or a bright red July. 8 to 24 in. White foliage. **Seeds**, 15c per pkt.

7425 **Macrocephala.** The showiest of all, great thistle-like golden yellow flowers on stiff stems. **Seeds**, 10c per pkt.

7430 **Montana Blue.** 2 ft. June-September. Numerous deep blue flowers somewhat resembling the annual cornflower. **Seeds**, 10c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

7431 **Montana Alba.** White. **Seeds**, 10c per pkt.

CEPHALARIA

7433 **Alpina (Giant Scabiosa).** 5 ft. June and July. Belongs to Teasel order. Flowers yellow on terminal heads somewhat like a scabiosa. Good for shrubby borders. **Seeds**, 15c per pkt.

CERASTIUM

7435 +**Tomentosum (Snow in Summer).** 4 in. Silvery white foliage, covered with snow-white flowers in early summer. **Seeds**, 15c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

For other varieties see Page 53.

CHEIRANTHUS

7440 +**Allioni.** 1 ft. Fine rock or border plant with orange flowers. Spring and summer. **Seeds**, 10c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

CHELONE—See Pentstemon on Page 85.

CHRYSANTHEMUM (Hardy Daisy)

Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well.

7455 **Laciniatum, White Comet Fringed.** White petals. **Seeds**, 15c per pkt.

—**Leucanthemum Flore Pleno (Double White Shasta Daisy).** Flowers double pure white of medium size, excellent for cutting. 1-2 ft. June-July. Each plant produces from 30 to 50 flowers. Perfectly hardy without any protection. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7465 **Maximum Market Favorite.** Produces an enormous number of well-formed, pure white flowers, evenly distributed and flowering at one time. **Seeds**, 15c per pkt.

7470 **Mrs. C. Lothian Bell.** Large white daisy-like flowers. **Seeds**, 15c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

For Shasta Daisy Alaska see Colored Section

CHINESE FORGET-ME-NOT. See Cynoglossum Amabile on Page 55.

CHIVES—See Page 22.

CIMICIFUGA (Snake Root)

—**Racemosa.** 4 to 8 ft. Tall, late-blooming. July to August. The large leaves are cut very deeply and the flowers, white, small, feathery and closely set, are borne on long stalks. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

CLEMATIS

7473 **Paniculata (Small Flowering).** A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Seed germinates very slowly. **Seeds**, 10c per pkt.

7475 **Recta.** 2 to 3 ft. June-July. Produces fragrant, pure white flowers in very large, showy clusters. **Seeds**, 15c per pkt.

COREOPSIS (Tickseed)—See Colored Section and Perennial Novelty Pages.

CRUCIANELLA

7499 +**Stylosa.** 18 in. July. Tangled masses of elegant foliage, crowded heads of light red flowers. **Seeds**, 15c per pkt.

CYPRIPEDIUM (Hardy Orchids)

Hardy Orchids for the most part are shade-loving plants and delight in a soil well drained and largely composed of leaf mold.

—**Acaule (Lady Slipper).** This is often called the Red Lady Slipper, but the flower is rose-purple in color. The plant sends up two broadish green leaves from the base and from between them comes a stalk about a foot high bearing a single large, showy flower. May-June. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

CYPRIPEDIUM (Hardy Orchids)—Continued

—**Spectabile (Showy Lady Slipper).** The finest and most showy of all Orchids. It grows about 2 ft. high, bearing along the stalk several rather large roundish leaves and on top one or two quite large, rose-purple or nearly white flowers. June. Semi-shade required. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

DELPHINIUM (Larkspur)—See Colored Section and Novelty Pages.

DIANTHUS ALLWOODII

This is an important addition to our list of perennial plants. They are perfectly hardy and flower continuously from early spring until late in the autumn; the flowers are much more substantial and larger than the old type of Hardy Pinks, and are borne on long stems suitable for cutting; deliciously clove-scented.

—**Harold.** A splendid large double pure white of very symmetrical form and great substance.

—**Jean.** Pure white, a deep violet-crimson center. A distinct, handsome flower.

—**Mary.** Pale rose-pink with light maroon center.

—**Robert.** A delicate shade of old rose with light maroon center.

—**Mixed.** Price of any of the above four sorts: **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

For Seed of Allwoodii Mixed see Perennial Novelty Pages.

DIANTHUS (Hardy Garden Pink)

These very desirable sweet-scented, low-growing, early-blooming and free-flowering Hardy Garden Pinks are unequalled for the borders of beds, drives, and the old-fashioned garden and should be planted in quantity in any good garden soil with full sun and an open situation.

7580 +**Caeusius (Cliff Pink).** Flowers delicate rose color, fragrant. 1 ft. or less. **Seeds**, 25c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

7582 +**Deltoides (Maiden Pink).** 6 in. Beautiful little plant with narrow leaves, with a profusion of small flowers during July and August. **Seeds**, 25c per pkt.

7581 +**Dentosus Hybridus.** A red Siberian variety flowering in July, known as the Amoor Pink. **Seeds**, 25c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

7585 +**Miss Gladys Cranfield.** Single bright rose flowers, with velvety crimson eye. **Seeds**, 25c per pkt.

7586 +**Neglectus (Glacier Pink).** Flowers cherry-carmine, very bright and attractive. 6 in. May-July. **Seeds**, per pkt., 50 seeds, 25c.

—**Plumarius** are the old-fashioned, fragrant Garden Pinks. Fine for perennial border or Rock work.

—**Abbotsford.** May-October. Pink. 15 in. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

7590 +**Cyclops (Clover Pink).** An exquisite mixture of colors. 1 ft. **Seeds**, 10c per pkt.

7591 +**Albus Plenus.** Double white. **Seeds**, 25c per pkt.



DIANTHUS Plumarius

Vaughan's Perennial Flower Seeds and Plants



DICENTRA (Bleeding Heart)

DIANTHUS—Continued

- 7595+*Plumarius Cyclops*, Red Hybrids. Seeds, 15c per pkt.
 7597+*Cyclops Double Mixed*. Seeds, 25c per pkt.
 7596+*Peacock*. Fringed white flowers with rings. Seeds, 15c per pkt.
 7600+*Diadematus*. 12 in. White, pink and crimson. Seeds, 10c per pkt.
 7605+*Nanus Fl. Pl.* Double dwarf mixed. Seeds 15c per pkt.
 7610+*Semperflorens*. 15 in. Single and double, flowers all spring and summer. Mixed colors. Seeds, 15c per pkt.
 7611+*Mrs. Sinkins*. Large double white. Seeds, 25c per pkt.
 7615+*Single Mixed*. Delicately fringed flowers. Seeds, 10c per pkt.
 7620+*Double Mixed*. Fine for cutting. Seeds, 10c per pkt.
 7625+*Vaughan's Special Mixture*. A grand selection of clove pinks of the above *Plumarius* type and others. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7630 *Latifolius Atro-coccineus Plenus* (Ever-blooming Sweet William). Beautiful outdoor Pink, of deep crimson color, semi to full double flowers, borne on stout stems 15 to 18 in. high. The only perennial which can be planted in solid beds and will flower continuously all summer, the same as a bed of geraniums. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

For others see Colored Section.

DICTAMNUS (Gas Plant)

The seed of these is very slow to germinate.

7720 *Fraxinella*. 3 ft. June-July. An old and beautiful plant with ash-like foliage and large spikes of deep pink, purple-veined flowers, excellent for cutting. Seeds, 15c per pkt.

7725 *Albus*. 3 ft. June-July. Spikes of attractive pure white sweet-scented flowers. Seeds, 15c per pkt.

DICENTRA (Dielytra) Spectabilis

(Bleeding Heart or Seal Flower)

An old-fashioned favorite. Its long racemes of graceful heart-shaped pink flowers are always attractive. It is used largely for forcing and is perfectly at home in any part of the hardy border and especially valuable for planting in the shade. Strong roots. Each, 55c; doz., \$5.00.

DIGITALIS (Foxglove)—See Colored Section.

DODECATHEON (American Cowslip)

(Shooting Star)

Very pretty dwarf Primulaceous plant, ovate or oblong leaves with drooping Cyclamen-like flowers borne in umbels. They require a moist, cool and shady position.

—*Meadia*. 1 ft. April-June. Flowers lilac. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

ECHINACEA (Coneflower)

Stout perennials for the border or wild garden. Flowers in July-August, and the blooms make good cut flowers.

7780 *Hybrida*. 4 ft. Flowers of various shapes, produced in a wide range of colors. Seeds, 15c per pkt.

7785 *Purpurea* (Purple Cone Flower). 3-4 ft. A very handsome border plant bearing large heads of rosy purple flowers and dark central disc. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7786 *Purpurea Grandiflora*. Seeds, 15c per pkt.

ECHINOPS (Globe Thistle)

All the Globe Thistles are distinctive plants and are well adapted to plant in borders, among shrubbery or to use as bold specimen plants. The flower heads are round like a ball and are entirely covered with needle-like thistles. Are excellent for cutting, can be dried and will remain attractive for months. They are also suitable for naturalizing in wild gardens. The leaves are large, deeply cut and very prickly.

7788 *Ritro*. 3-4 ft. Steel-blue flower heads. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7790 *Sphaerocephalus*. 4 ft. Grayish white flowers on stout stems. Seeds, 10c per pkt.

EDELWEISS

7791+*Leontopodium Alpinum*. 4-12 in. June-July. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver-white and star-shaped. Succeeds in almost any soil with full exposure to sun. Seeds, 25c per pkt.

ERIGERON (Flea Bane)

Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting.

7796 *Speciosus* Hyb. *Grandiflorus*. Large flowers rich purple. 24 in. June. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7797 *Elatior*. Rosy, 24 in. May-June. Seeds, 20c per pkt.

ERINUS

7798+*Alpinus*. Pretty rosettes of foliage and racemes of rosy purple flowers. A first rate rock plant and also invaluable for establishing on old walls or between steps. 4 in. May-June. Seeds, 35c per pkt.

7799+*Manescavi*. Handsome dwarf perennial, producing an abundance of small *Pelargonium* flowers, bright crimson-purple, delicate fern-leaved foliage. 18 in. June-Aug. Seeds, 15c per pkt.

ERODIUM

7799+*Manescavi*. Handsome dwarf perennial, producing an abundance of small *Pelargonium* flowers, bright crimson-purple, delicate fern-leaved foliage. 18 in. June-Aug. Seeds, 15c per pkt.

ERYSIMUM

7794+*Pulchellum* (Fairy Wallflower). A new dwarf species, forming close mats of dark green, later eclipsed with yellow bloom. Sandy soil, Seeds, 15c per pkt.

ERYNGIUM (Sea Holly)

Handsome ornamental plants for flower and shrubbery borders. Flowers July to September. The leaves are prickly, flower heads are surrounded by spreading prickly floral bracts and the flower head itself is a small Teazel. The flowers are very decorative in baskets when combined with Gladiolus. The branches can be dried and the flowers used in winter bouquets.

7792 *Alpinum*. 2-3 ft. Shining green leaves, large light blue flowers. Seeds, 10 per pkt.

7793 *Amethystinum*. 1½-3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst-blue thistle-like flowers. Seeds, 25c per pkt.

7795 *Planum*. 2-3 ft. Small steel-blue globular flowers; graceful decorative plant. Seeds, 10c per pkt.

EUPATORIUM (Thorough Wort)

Strong growing border plants, suitable for cutting; they bear minute white flowers in dense heads; ordinary garden soil suits them.

7800 *Ageratoides* (White Snakeroot). 2 ft. Pure white ageratum-like flowers; does well in shade. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7805 *Purpureum* (Joe Pye Weed). 6-7 ft. July-September. Pink flower, purple stalked. Good for bold effects in border or against shrubbery. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Coeruleum* (Mist Flower). September-October. Light blue. 2 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



ECHINACEA (Rudbeckia)

EUPHORBIA

7806+*Polychroma*. 1 ft. April-May. Leaves oblong and dark green, floral leaves different shades of yellow at flowering time. Flowers bright yellow, changing to rosy bronze, combines beautifully with *Geum* *Lady Stratheden*. Grows into fine compact bush. Little known but very desirable. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

FERNS

Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing in woodland they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage. (Ready March 15.)

—*Adiantum Pedatum* (Maidenhair Fern). 1 ft. The best dwarf fern.

—*Asplenium Filix-foemina* (Lady Fern). 2 to 3 ft. Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist.

—*Aspidium Cristatum*. 2 ft. Grows well in swampy situation.

—*Aspidium Moserianum*. 4 ft. One of the finest Aspidiums.

—*Aspidium Spinulosum* (Spinulose Wood Fern). 1½ to 2 ft. A strong grower and should be included in every Fern collection.

—*Aspidium Thelypteris*. 2 ft. Very variable, fronds long and narrow.

—*Onclea Struthiopteris* (Ostrich Fern). 3 to 4 ft. One of the most stately and best for cultivation; handsome dark green fronds.

—*Osmunda Claytoniana*. 2-3 ft. A good fern for the shady corner. 7 to 12 in. wide, broader than long Price, any of the above Ferns: Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

FORGET-ME-NOT—See *Myosotis* in colored sections both annual and perennial.

FILIPENDULA HEXAPETALA

(*Spiraea Filipendula*)

Good for front row in hardy border. Graceful plants, both in flower and foliage.

—*Flore-Pleno* (Dropwort). June-July. Double white. 1-2 ft. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

FUNKIA (Day Lily). See *Hosta*. See Page 84.

GAILLARDIA (Blanket Flower)—See colored section and Perennial Novelties.

GENTIANA (Gentian)

Beautiful hardy border and rock plants, with shades of blue surpassing those found in any other family of plants. Grow in moist shady situation in sandy loam. Rather difficult to establish; do not disturb after once started. Seed slow to germinate and do not use lime in soil.

—*Andrewsii*. One of the most fascinating native plants. The flowers which are tightly closed are borne at the top of a stem from 6 to 8 in. long and are an intense deep blue. Blooms best in moist place. June-October. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

Vaughan's Perennial Flower Seeds and Plants

GRASSES—Continued

7856b *Stipa Pennata*. Feather Grass. A well-known variety which has been grown in gardens. Seeds, 25c per pkt.

7859 *Uniola Latifolia* (Spike Grass). One of the best of our hardy native grasses. Leaves are broad and flat, often one inch wide, spikelets large and thin and when full grown droop on slender stems. Seeds, 15c per pkt.

GOLDEN ROD—See *Solidago* on Page 87.

GUNNERA

7858 *Manicata*. A noble plant with huge leaves from 4 to 5 feet in diameter; requires a damp situation. A fine subject for large lawns, the bog garden, or beside pools. Height, 3 to 6 feet. Seeds, 35c per pkt.

GYPSOPHILA

Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting.

7860 *Paniculata Flore Pleno*. A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. 2-3 ft. July-August. Not quite fixed, but about 25% per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. Seeds, 25c per pkt.

7865 *Paniculata* (Baby's Breath). 2-3 ft. July-August. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Seeds, 10c per pkt.

—*Bristol Fairy*, New. Early double pure white large flowering perennial baby's breath. It is a new form, blooming much earlier than paniculata fl. pl. and producing a second crop of spikes after the first have been cut. Plants, 75c each.

7862 +*Repens*. Dwarf white Baby's Breath. Splendid in rockery. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



GYPSOPHILA—*Paniculata Flore Pleno*

HELIOPSIS (Orange Sunflower)

A very brilliant border plant, resembling a double sunflower; flowers double yellow; an excellent cut flower.

7910 *Pitcheriana*. 3 to 4 ft. high. The flowers are of a beautiful deep golden yellow color about 2 inches in diameter; of very thick texture and very graceful for cutting. Blooms all summer. Seeds, 10c per pkt.

7915 *Scabra Zinniaeflora Plena*. Seeds, 15c per pkt.

7916 *Soleil d'Or* (Golden Sun). Free-flowering, very useful in the garden for display or cutting, golden yellow flowers. Seeds, 20c per pkt.

HELLEBORUS

7920 *Niger* (Christmas Rose). White flower blooming very late in season. Plant in rich loam and coarse sand with top-dressing of rotten manure. When once established in border do not disturb; seeds germinate very slowly. Seeds, 25c per pkt.

HEMEROCALLIS (Yellow Day Lily)

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.

—*Aureole*. 3 ft. May-July. Orange shade with crimson. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

—*Citrina*. June-July. Pale citron-yellow. 2 ft. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

—*Flava*. July-August. Yellow. 3 ft. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

—*Fulva Kwanso*, fl. pl. June-July. Coppery red double. 3 ft. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

—*Sovereign*. June-July. Chrome-yellow. 3 ft. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

HESPERIS MATRONALIS

(Sweet Rocket—Evening Scented Stock)

Deliciously sweet-scented flowers for garden or cutting. 2-3 ft. June-August. Sow in Spring in boxes and transplant in April or May—or sow in open ground in April for later bloom.

7930 *Purpurea*. Purple. Seeds, 1/2 oz., 30c; 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7935 *Alba*. White. Seeds, 10c per pkt.

HEUCHERA (Coralbells)

Beautiful plants for front row of borders, with slender, fairy-like spikes of richly colored flowers; most striking in the garden and light and graceful for cutting.

7941 *Brizoides Gracillima*. May-June. Rosy carnation. 2 ft. Seeds, 25c per pkt.



HARDY FERN

GENTIANA (Gentian)—Continued

7840+Acaulis. 4 in. Large bell-shaped deep blue flowers; spring blooming. Seeds, 20c per pkt.

7845 *Lutea* (Yellow Gentian). 4 ft. July to September. Whorls of giant yellow flowers. Seeds, 10c per pkt.

GEUM

Geums belong to the Rose family. They are free-flowering and attractive plants for the perennial border or for cut flowers. To avoid wilting after cutting put stems in warm water.

7850 *Coccineum Atrosanguineum Plenum*. 1 1/2 ft. May-July. Flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer. Seeds, 15c per pkt.

—*Heldreichii*. 1 1/2 ft. May-July. Orange, one of the best very free-flowering, fine foliage. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7852 +*Lady Stratheden* (Golden Ball). It is a counterpart of the popular scarlet variety Mrs. J. Bradshaw, only the blooms are a rich golden yellow. Seeds, 35c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7855+*Mrs. Bradshaw*. Double. The orange-scarlet flowers are very large and full; comes quite true from seed and blooms the first year. 2 ft. June-September. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

GLOBULARIA (Globe Daisy)

Shrubby plants for the hardy garden or rockery, producing fluffy balls of blue flowers during the summer. They all require light soil in a warm, sunny position.

7857+*Trichosantha*. Dark blue. 12 in. Seeds, 20c per pkt.

GRASSES

The ornamental grasses can be used with telling effect either as individual specimens in the border or on the lawn. Large beds or borders planted entirely to the different varieties are attractive or when planted in clumps on the margin of ponds.

7858 —*Erianthus Ravennae*. 5 to 7 ft. Plume Grass. Producing from 30 to 50 flower-spikes. Closely resembles the Pampas Grass. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Eulia Gracillima Univittata*. 5 to 6 ft. The most graceful of all. Foliage narrow, bright green, with a silvery midrib. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Eulia Japonica Variegata*. 4 to 6 ft. A tall graceful variety from Japan. Its long, narrow leaf-blades are striped green-white and often pink and yellow. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Festuca Glauca*. 1 ft. A pretty dwarf grass with tufts of fine bluish green foliage. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7856 *Gymnothrix Latifolia*. (*Pennisetum Latifolium*) 3 to 4 feet, bearing several nodding plumes. 1 to 2 feet long. Seeds, 15c per pkt.

7856a *Gynnerium Argenteum*. Pampas Grass. The plumes are silvery white. Lives with protection as far north as Rochester, N. Y. Perfect specimens can be obtained only in light, rich soil with moderate moisture, especially in early growth. Seeds, 15c per pkt.

HEDYSARUM

7866 *Coronarium*, Red. French Honeysuckle. Attractive border plants with showy racemes of deep red, fragrant flowers. 2-4 ft. Summer. Need sun and light, well-drained soil. Seeds 10c per pkt.

HELENIUM (Sneezewort)

Delightful perennials allied to the *Helianthus* (Sunflower). Splendid and lasting as cut flowers.

—*Autumnale Gartense*. 2 to 4 ft. August-September. Flowers golden yellow, velvety brown center. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7875 *Autumnale Superbum*. 4-5 ft. Large clear light yellow, flowers in September. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7880 *Bigelowi*. 2 ft. Large rich yellow flowers. Seeds, 10c per pkt.

7885 *Hoopesii*. 1-3 ft. May-September. Rich orange-yellow. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7890 *Riverton Gem*. 2 to 4 ft. Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower-red. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$25.00.

7895 *Riverton Beauty*. Rich lemon-yellow, with a large purplish cone. 4-5 ft. August-September. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

HELIANTHEMUM

7906+*Mutabile* (Rock Rose). Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac then to white. 8-12 in. Excellent for rockeries. Mixed colors. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

HELIANTHUS (Hardy Sunflower)

Hardy, perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.

7900 *Maximilianii*. Small and graceful flowers of deep yellow on stems 2 to 4 ft. long, blooming from August to October. Seeds, 25c per pkt.

—*Mollis*. Plants, 3 for 85c; doz., \$2.50; 100 for \$15.00.

7905 *Perennial Varieties, Mixed*. Seeds, 15c per pkt.

—*Multiflorus Plenus* (Dahlia Sunflower). August-September. Double yellow, 2-5 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

Vaughan's Perennial Flower Seeds and Plants

HYACINTHUS

8060 **Candicans (Cape Hyacinth).** A snow-white summer flowering Hyacinth, 3 to 5 ft. tall, surrounded with from 20 to 30 pure white bell-shaped flowers. Seeds, 15c per pkt.

HYPERICUM (St. John's Wort)

A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 in. in diameter, like immense single buttercups. A most desirable plant for sunny situations.

—**Moserianum.** July-September. Golden yellow, 3 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

IBERIS (Perennial Candytuft)

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

8075+**Gibraltarica.** Pinkish white. Seeds, 10c per pkt.

8080+**Sempervirens.** Flowers form a sheet of whiteness. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

INCARVILLEA

8085 **Delavayi (Hardy Gloxinia).** 2 ft. June-Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

INULA

8088+**Ensifolia.** 9 in. July-Sept. Vigorous plant and a continuous bloomer with large yellow aster-like flowers and rather coarse foliage. Seeds, 25c per pkt.

IRIS

8090 **Kaempferi (Japanese Iris).** The seeds we offer have been saved from our own unrivaled collection, and should produce only varieties of the highest merit. Seed of slow germination. Seeds, 10c per pkt.

8091 **Large flowering Hybrids.** This seed comes from the trial grounds and workshop of a French specialist who has introduced many new and beautiful varieties and this seed should produce some attractive sorts. Iris seedlings usually bloom second year. Seeds, 50c per pkt.

(For Iris Plants see pages 90, 91.)

—**KNIPHOFIA.** See Tritoma.

LATHYRUS LATIFOLIUS (Hardy Pea)

Very decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting. Blooms all summer.

8095 **Albus.** 6 ft. Pure white. Seeds, 10c per pkt.

8100 **Pink Beauty.** Pale pink variety. Seeds, 10c per pkt.

8105 **Rubra.** Bright rosy crimson. Seeds, 10c per pkt.

8110 **White Pearl.** Large-flowering white. Seeds, 10c per pkt.

8115 **Mixed.** The above colors. Seeds, 10c per pkt.

LAVANDULA

Delightfully fragrant flowers, much used when dry on account of their sweet odor.

8116 **Vera (True Lavender).** June-August. Blue, 2 ft. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**LIATRIS (Kansas Gay Feather)**

—**Pycnostachya.** One of the choicest and boldest species. Flowers purple in dense spikes, which bloom a long time. Foliage thick and grass-like; excellent for masses in the border. 4 to 5 ft. July-August. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8118 **Spicata (Button Snakeroot).** Western and Southern States. Purple flowers on spike 6 to 15 in. long. 2 to 3 ft. July-September. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8119 **Scariosa.** Rare North American species. Crowded spikes of rosy-purple flowers. Seeds, 10c per pkt.

LINARIA (Toad Flax)

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

8120+**Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange; flowers throughout summer; trailing habit. Seeds, 10c per pkt.

LINUM (Flax)

8125 **Perenne Blue.** May-August. 2 ft. Has dainty sky-blue flowers on graceful arching stems. Blooms short lived but are produced continuously in such profusion it creates the effect of blue sheet over the plant. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



LATHYRUS LATIFOLIUS (Perennial Pea)

LINUM (Flax)—Continued

8130 **Perenne Album.** Milk-white flowers, very decorative. Seeds, 10c per pkt.

8135 **Mixed.** Seeds, 10c per pkt.

8140 **Flavum.** 1-2 ft. June-July. Forms neat bushes and produces masses of golden yellow flowers from June until September. Seeds, 10c per pkt.

LOBELIA

8145 **Cardinalis (Cardinal Flower).** 2 ft. July-October. Tufts of green foliage from which arise spikes of brilliant fiery scarlet flowers; prefers moist position. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Syphilitica.** 3 ft. August-September. A native wild flower. Fine spikes of blue flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

LUNARIA

8150 **Annuus (Biennis) (Honesty or St. Peter's Penny).** Flowers purple, followed by silvery seed pods, prized for winter decoration. Annual but readily self-sows. Seeds, 10c per pkt.

8155 **Alba.** Pure white. Seeds, 10c per pkt.

LUPINUS (Polyphyllus)

Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom. Do not disturb plants after they are once established. June-September.

8165 **Blue.** 3 ft. Stately spikes of blue, Seeds, 10c per pkt.

8170 **Albus.** Large, pure white spikes. 2-3 ft. Seeds, 10c per pkt.

8171 **Golden Spire.** Golden yellow and purple flowers. Seeds, 25c per pkt.

8172 **Moerheimii.** 2-3 ft. Beautiful soft pink. Seeds, 15c per pkt.

8173 **Harkness' Regal Mixture.** A mixture of charming new colors, in which rose, buff, flesh and salmon shades predominate. Seeds, 25c per pkt.

8174 **Downer's Hybrids.** Perpetual flowering new hybrids. Seeds, 25c per pkt.

8175 **Roseus.** 4 ft. Light and dark rose flowers on long stem. Seeds, 15c per pkt.

8176 **Lavender Queen.** Lavender tinted pink blossoms. Seeds, 25c per pkt.

8177 **Princess Julianiana.** Lovely pink blooms. Seeds, 25c per pkt.

8180 **Mixed.** Splendid value. Seeds, 10c per pkt.

LYCHNIS

8189 **Arkwrightii.** A cross between Chalcedonica and Haageana. 2 to 3 ft. May. An abundance of large flowers in brilliant colors, varying from orange scarlet to soft salmon pink. Seeds, 25c per pkt.

8190 **Chalcedonica (Jerusalem Cross).** 3 ft. June-August. Burning Star. Flowers which are of the most fiery red imaginable appear in clusters, each individual blossom forming a maltese cross. Will bloom from seed the first year. Seeds, 10c per pkt.



HOSTA (Funkia or Day Lily)

HEUCHERA (Coralbells)—Continued

7940 **Sanguinea.** 2 ft. July-August. Long stems of large crimson-scarlet flowers. Splendid for cutting. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7942 **Sanguinea Maxima.** Large flowered, deep crimson, new and very charming. Seeds, 35c per pkt.

7943 **Sanguinea Hybrida Grandiflora.** New, large flowered hybrids, very fine. Seeds, 35c per pkt.

—**Nancy Perry.** Coral pink. 3 for 85c; doz., \$2.50; 100, \$15.00.

—**New Hybrids.** All shades of red and coral pink. This is a mixture which is highly spoken of because of its fine coloring, large flowers and free-flowering of the plants. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

HIBISCUS (Rose Mallow) 3 to 5 Feet

Noble, shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. August-September. Very hardy. Suitable for garden and indoor use when cut.

7945 **Crimson Eye.** Creamy white flowers, large crimson center. Seeds, 10c per pkt.

7950 **Golden Bowl.** Deep cream, with a velvety maroon center. Seeds, 10c per pkt.

7955 **Moscheutos (Rose Mallow).** Very showy pink flowers. Seeds, 10c per pkt.

7960 **Mixed Mallow Marvels.** Grand assortment. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7965 **Mallow Marvels, Red.** Very choice. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

—**Mallow Marvels, Pink.** Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Mallow Marvels, White.** Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

HOLLYHOCK—See Colored Section

HIERACIUM

7967+**Villosum (Shaggy Hawkweed).** 12 in. July Plant is covered with a white silkiness effective for its large golden yellow flowers and silvery foliage; suitable for rock work. Seeds, 15c per pkt.

HOSTA (Funkia or Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surrounded by dainty lily-like flowers in terminal racemes. 1½-2 ft. July-August. Effective in front of shrubbery under trees, or any shady position where they thrive best.

—**Fortunei.** Deep blue-green foliage; pale lilac flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Coerulea (Lanceolata).** August. Dark blue. 1 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Undulata Medio Variegata.** 12 in. Silvery white, lined green. Very ornamental foliage plant. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

—**Subcordata Grandiflora.** Flowers white, large leaves. Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.

—**Variegata.** Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

Vaughan's Perennial Flower Seeds and Plants

OENOTHERA (Evening Primrose)

- Showy and beautiful plants for borders, beds, etc., flowering from June to October.
- 8255 *Fraseri*. Rich golden yellow. 2-3 ft. Seeds, 10c per pkt.
 - 8260 *Lamarckiana*. 2 ft. Large flowered, yellow. Seeds, 10c per pkt.
 - 8261+*Missouriensis (Macrocarpa)*. 1 ft. Long trailing stems with large yellow flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
 - 8265 *Youngii*. Yellow. 1-3 ft. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

PACHYSANDRA

Small whitish flowers in May, which are insignificant, deep green, evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere.

- +*Terminalis*. May. White. 4 to 6 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

PAPAVER (Poppy)

- 8269+*Alpine Mixed*. 6 in. A charming miniature poppy with brilliantly colored flowers including white, pink, apricot, yellow or orange-scarlet, etc. Useful for rockwork. Seeds, 35c per pkt.

- 8295 *Bracteatum*. 3 ft. Scarlet. Seeds, 10c per pkt.

Nudicaule (Iceland Poppy).

The plant is of neat habit, forming a tuft of bright green, fern-like foliage from which spring throughout the entire season, a profusion of slender, leafless stems, 1 foot high, each graced with charming cup-shaped flowers.

- 8275+Nudicaule. Yellow. 8280+Orange.

- 8285 +White. 8270+Mixed.

Each of above four Nudicaule varieties seeds, 10c per pkt.

8286+Sunbeams. This is the result of a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, maize and other tints. The blooms keep well in water. Seeds, 25c per pkt.

8287+New Art Shades. Delightful selection, including apricot, burnt orange and lovely pink shades. Seeds, 25c per pkt.

8288+Gibson's New Giant Orange. Seeds, 20c per pkt.

8290+Double Mixed. Extra fine strain. Seeds, 15c per pkt.

Oriental (Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders. 3 ft. May-June.

8300 Annual Oriental. A new strain of the Oriental Poppy, which will bloom the first year, if sown early. Seeds, 25c per pkt.

—Mrs. Perry. Delicate salmon-rose. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

—Royal Scarlet. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8305 Princess Victoria Louise. Large flower, soft lilac-rose color. Seeds, 15c per pkt.

8310 Oriental Red. Very striking color. Seeds, 10c per pkt.

8315 Oriental Hybrids, Mixed. Seeds, 10c per pkt.

PENTSTEMON (Beard Tongue)

The Pentstemons bloom persistently through the summer, and are found very useful for cut flowers, or for color masses in the garden. Easily grown in any garden soil.

8316 *Barbatus Torreyi (Chelone Barbata)*. July-August. Coral red. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8317 *Coccineus*. Scarlet. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8325 *Pubescens*. Rosy purple. 2 ft. Seeds, 10c per pkt.

8330 Large Flowering Newest Hybrids. Splendid assortment of colors. Seeds, 15c per pkt.

8335 *Digitatus*. 2 ft. June-July. Purple and white. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8337 *Southgate Gem*. A distinct and very pretty Pentstemon, with long graceful stems carrying numerous rich poppy-red flowers, showing pure white throats. Seeds, 25c per pkt.

8338 *Hybrida Graziella*. Free-blooming and graceful small flowers in a great many new colors. Seeds, 35c per pkt.



POPPY, Oriental

PEONY

8339 *Chinensis Double Mixed*. Seed saved from our own collection at our nursery. Seed germinates very slowly. Keep seed bed undisturbed. Seeds, 15c per pkt. Plants, see page 89.

PHLOX (Hardy)

8340 *Decussata*. 2-3 ft. June-October. Perennial varieties mixed from a celebrated collection. Seed slow and erratic in germinating and the seedlings may not appear for a year. Seeds, 15c per pkt. Plants, see page 89.

PHYSALIS

8345 *Franchetti (Chinese Lantern Plant)*. 1½ ft. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

PHYSOSTEGIA (False Dragon Head)

3-4 ft. Flowers in August. Extremely beautiful with spikes of rosy pink, lilac or white flowers, which are tube-shaped similar to a tiny antirrhinum blossom. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage surrounding the graceful spikes.

8350 *Virginica*. Dense bushes with spikes of delicate pink tubular flowers. 3 ft. June-September. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8355 *Alba*. White. 3 ft. June-September. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8356 —*Gigantea*. New. Lilac-rose. Seeds, 25c per pkt.

8357 —*Compacta Dwarf Roseum*. Rose. Seeds, 25c per pkt.

—*Grandiflora "Vivid."* One of the best of the late-blooming perennials. It blooms three weeks later than the other Physostegias; the individual flowers are larger and of a deeper, much more vivid pink, and they last a long time when cut. Height, about 20 inches. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

PLATYCODON (Chinese Bell Flower or Balloon Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons, they flower from June to September.

8360 *Grandiflorum*. 1-2 ft. Large, handsome, deep blue flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8365 *Grandiflorum Album*. White. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8370+*Mariesii Blue*. 1 ft. Deep blue flowers, dwarf. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8375+*Mariesii Alba*. White. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



LYCHNIS Chalcedonica

LYCHNIS—Continued

8195 *Chalcedonica Alba*. White. Seeds, 10c per pkt.

8200+*Alpina*. 4 in. April. Close tufts olive green foliage. Clusters of rose-colored flowers, dwarf. Seeds, 20c per pkt.

8201 *Flos-Cuculi (Ragged Robin)*. 1-2 ft. May-August. Very pretty rose-pink flowers. Seeds, 10c per pkt.

8205 *Fulgens*. 1-1½ ft. Bright scarlet. Seeds, 15c per pkt.

8210+*Haageana Hybrids*. 1 ft. June-July. Mixed, ranging from nearly white to bright scarlet. Seeds, 10c per pkt.

8215 *Viscaria Splendens*. 1½ ft. Makes large clumps of almost evergreen foliage. Comes into bloom in early June and continues for six weeks or more. Its flowers are bright rose; useful for cut flowers. Seeds, 10c per pkt.

LYTHRUM

8220 *Roseum Superbum*. 4 ft. July-September. A native perennial, good for massing. Flowers rosy lilac produced on long slender spikes. Seeds, 10c per pkt.

MERTENSIA (Blue Bells or Virginia Cowslip)

1 to 2 ft. Soft, light green stems and foliage. The flowers are reddish-purple when in bud but, as the flowers open, they change to a lovely gentian-blue. They hang in drooping, nodding, graceful clusters and individual flowers are funnel shaped. Blooms early. Moist soil in shady location:

—*Virginica*. May-June. Light blue. 18 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

MICHAELMAS DAISY—See Aster.

MINT (Mentha)

—Old-fashioned hardy, useful plant. 4 in. pots. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

MONARDA (Bergamot or Bee Balm)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

—*Didyma*. June-September. Brilliant scarlet. 3 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Fistulosa*. 3 ft. July. Purple flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

MYOSOTIS (Forget-Me-Not) See Page 76.

NEPETA (Mauve Catnip)

Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. For beds, edging or rock garden.

8254+*Mussini*. May-September. Light blue. 1 ft. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

Vaughan's Perennial Flower Seeds and Plants

PRIMULA—Continued

- 8414+*Rosea Grandiflora*. Rose carmine. 8 in. May-June. Seeds, 35c per pkt.
 8415+*Veris*, Mixed. The Oxlip, bearing bright yellow flowers in umbels. 6-9 in. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, for \$15.00.
 8416+*Grandiflora*, Mixed. An extra choice large flowered mixed strain. Seeds, 25c per pkt.
 8417+*Munstead Strain*. A giant polyanthus in many charming shades. Seeds, 35c per pkt.
 8418+*Lutea*. Yellow. Seeds, 25c per pkt.
 —*Rheingold*. June-July. Orange and yellow. 10 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

PUERARIA (Kudzu Vine)

- 8425 *Thunbergiana* (Jack - and - the - Bean - Stalk). 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth. Seeds, 10c per pkt.

RANUNCULUS (Buttercup)

- Well-known double yellow buttercup, effective either as a cut flower or grouped in the hardy borders.
 8446+*Asiaticus*. Flowers in May, variable in color, generally double in form, will bloom from seed the first year if sown early. 6-12 in. Seeds, 15c per pkt.

- Acris fl. pl. (True Buttercup)*. May-June. Yellow. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

ROMNEYA

- 8445 *Coulteri* (California Tree Poppy). 5 ft. Flowers all summer. Beautiful snowy white, fragrant flowers. Seeds, 15c per pkt.

RUDBECKIA (Cone Flower)

The Rudbeckias are very decorative plants for shrubberies, flower borders or side of auto drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color.

- 8450 *Fulgida*. Yellow. 1-2 ft. Seeds, 10c per pkt.
 8455 *Hirta*. (Black-Eyed Susan.) 1-3 ft. Seeds, 10c per pkt.

- 8460 *Speciosa* (Newmanii). 3 ft. Rich golden yellow with central black disc. Seeds, 15c per pkt.

- Purpurea Grandiflora*. See *Echinacea Purpurea*.

- Lacinata fl. pl. (Golden Glow)*. July-October. Yellow. 5 to 7 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

- Lacinata Compacta*. 2 to 3 ft. July-October. Yellow. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

SALVIA

Beautiful plants, with long spikes of tubular blue flowers. Leaves of *Officinalis* used for seasonings and dressings. Pitcheri makes a grand showing in the fall and is without a doubt one of the best of all Autumn blue flowers.

- 8470 *Argentea*. 3 ft. June. Silvery-white foliage, pyramids of yellow flowers. Seeds, 10c per pkt.

- 8475 *Aurea Grandiflora*. 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100 for \$15.00.

- 8476 *Nutans*. 3 ft. A perennial blue salvia. Seeds, 15c per pkt.

- 8477 *Pratensis*. 2 ft. A dark blue perennial variety. Seeds, 15c per pkt.

- 8478 *Verbascifolia Syria*. 5 ft. Makes a bold clump of foliage, the oval leaves fully one foot in length and half as broad, being dull olive-green above, deeply netted and covered on the under side with creamy white felt. Flower spikes 18 in. tall. Flowers dark blue, hairy within and without. Seeds, 25c per pkt.

- 8480 *Patens*. 2 ft. Large, rich, deep blue flowers. September. Seeds, 25c per pkt.

- Pitcheri (Meadow Sage)*. September-October. Deep blue. 3½ ft. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

- Officinalis (Common Sage)*. White-woolly. 6-12 in. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

SAPONARIA

- 8485+*Ocymoides Splendens*. 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. June-August. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

SAXIFRAGA (Megasea)

These will thrive in any kind of soil and in any position; grow about 1 ft. high and are admirable for the front of the border or shrubbery, forming masses of handsome, broad deep green foliage with pretty rose-pink flowers which appear very early in the spring.

- Cordifolia*. Light pink. Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.

- 8487+*Cordifolia Splendens*. 2 ft. Useful little plant for rock garden. Bright rose-pink. Seeds, 35c per pkt.

- 8488+*Lingulata Leichtlini*. 30 inches. Bright red rock garden subject. Seeds, 50c per pkt.

- 8486+*Decipiens Grandiflora*. Masses of White flowers. 18 in. Seeds, 35c per pkt.

- 8489+*Rhei superba*. Rose. 12 in. May-July. Seeds, 35c per pkt.

SCABIOSA (Pincushion)

- 8490 *Caucasica Perfecta*. Light blue flowers on long stem; fine for cutting. 18 in. June-October. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

- 8491—*Alba*. White. Seeds, 25c per pkt.

- 8492—*New Hybrids*. A collection of new shades. Seeds, 25c per pkt.

- 8493 *Japonica*. 2 ft. Lavender-blue flowers. September to frost. Seeds, 10c per pkt.

SEEDUM

Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather. They are especially suited to sunny locations.

- +*Acre (Golden Moss)*. May-June. Yellow. 3 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

- +*Brilliant*. June-July. Scarlet. 12 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

- Rubrum*. June-August. Brilliant red. 18 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

- Sieboldii*. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

- Spectabile*. One of the prettiest erect-growing species, attaining a height of 18 inches, with broad, light green foliage and immense heads of handsome showy rose-colored flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

SIDALCEA

Erect-growing, more or less branching plants, producing their showy flowers during June-July. They will succeed in any garden soil in a sunny position.

- 8496 *Rose Queen*. 2-3 ft. July-August. Beautiful rose-pink flowers. Very distinct. Seeds, 15 per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

- 8497 *Rosy Gem*. 4 ft. Produces numerous miniature Hollyhock-like spikes of pretty clear rose shade. Seeds, 25c per pkt.

- 8498 *New Hybrids*. Interesting border plants. Flowers in many shades from blush pink to crimson. Seeds, 25c per pkt.



SCABIOSA Caucasica



PHYSOSTEGIA Vivid

POLEMONIUM (Jacob's Ladder)

- 8380 *Coeruleum* (Greek Valerian). 2 ft. Beautiful sky-blue spikes. April-July. Foliage fern-like. Seeds, 10c per pkt.
 8385—*Album*. Pure white. Seeds, 10c per pkt.
 8386—*Prima Donna*. Dwarf plant with delicate light blue flowers, 18 inches. Seeds, 20c per pkt.
 8387+*Reptans*. 8 to 10 in. April-June. Dwarf bushy plant of graceful growth. Showy blue flowers. Rock garden and fine border plant. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00

POTENTILLA (Cinquefoil)

- 8390 *Formosa*. Strawberry-like foliage, with cherry rose-colored flowers in summer. 1-2 ft. Seeds, 10c per pkt.
 8392 *Nepalensis (Miss Willmott)*. This variety being an improvement on Formosa. Flowers very freely with salmon-pink flowers. Seeds, 25c per pkt.
 8395 Single Mixed. All colors. Seeds, 10c per pkt.
 8400 Double Mixed. All colors. Seeds, 20c per pkt.
 8401 *Rupestre*. 20 in. Flowers white in June. Seeds, 15c per pkt.

POPPY—See Papaver

PRIMULA (Primrose)

- These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location and are fine for a rock garden.
 8402+*Acaulis (Vulgaris) (Common Primrose)*. Flowers bright yellow; fragrant. Seeds, 10c per pkt.
 8403+*Auricula*. 6 in. Flowers in early spring in colors of yellow, brown and red. Seeds, 25c per pkt.
 8404+*Beesiana*. A new hardy primrose with brilliant velvety purple flowers with a large yellow eye, very rich coloring. Seeds, 35c per pkt.
 8405+*Bullesiana Hybrida*. New hybrids of rose, orange, carmine, light and dark blue. Seeds, 50c per pkt.
 8406+*Floribunda Grandiflora*. A large flowered yellow variety that does well in winter in pots. Seeds, 35c per pkt.
 8407+*Frondosa*. Rosy lilac, mealy white foliage. 4 in. June-July. Seeds, 35c per pkt.
 8408+*Japonica Mixed*. Several superimposed whorls of flowers on stems. 8-24 in. high. June. Seeds, 15c per pkt.
 8409+*Deep Rose*. Seeds, 25c per pkt.
 8410+*Mrs. Scott Elliott's Special Strain*. A very fine selection made by Mrs. Elliott, who has devoted her time to the improvement in Aquilegia and Primrose. Seed from the originator. Seeds, 25c per pkt.
 8411+*Moerheimi Hybrids*. The result of a cross between P. Beesiana and P. Pulverulenta. Seeds, 50c per pkt.
 8412+*Officinalis*. The common yellow cowslip. Seeds, 15c per pkt.
 8413+*Pulverulenta*. Large flowers of shining purple-carmine. Seeds, 35c per pkt.

Vaughan's Perennial Flower Seeds and Plants



SEDUM Spectabile

SILENE (Catchfly)

Useful plants for front row of herbaceous border, bearing quantities of bright flowers.
8500+*Orientalis*. 8 in. Handsome rosy pink flowers. Seeds, 10c per pkt.
8505+*Schafta*. 4 in. July-October. Bright rose; one of the best Autumn border plants. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

SOLIDAGO (Golden Rod)

8510 *Canadensis*. 3-5 ft. August-November. Gracefully arched sprays of golden yellow flowers. Seeds, 10c per pkt.

8511+*Virgo-aurea Alpestris*. Yellow. 10 in. Spring. Seeds, 15c per pkt.

SPIRAEA (Meadow Sweet)(See *Filipendula Hexapetala*)**STACHYS**

8515 *Lanata*. 1-1½ ft. Grown for the effect of its dwarf, white woolly foliage; the flower spikes should be removed. Seeds, 10c per pkt.

SPERGULA

8512+*Pilifera*. 4 inches. A hardy evergreen suitable for grass edging or rockwork. Seeds, 35c per pkt.

STATICE (Sea Lavender)

Large spreading panicles of light graceful flowers, much prized for winter decoration when dried.

8516 *Caspia*. The multitude of small flowers composed in spikes of a height of 2 to 3 ft. are of a tender lilac color. Seeds, 15c per pkt.

8520 *Latifolia*. 2 ft. Dense branching plumes of deep blue flowers. Seeds, 10c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$18.00.

STENANTHIUM (Mountain Feather Fleece)

—*Robustum*. A rare perennial with showy panicles of pure white fleecy flowers in August and September on stems 4 to 5 ft. high; requires a moist, semi-shady position. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

STOKESIA (Stokes Aster)

8525 *Cyannea*. 18 in. July-October. Flowers rich blue, like a giant cornflower, very distinct. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8535 *Cyannea*, Mixed Colors. Seeds, 15c per pkt.

SWEET WILLIAM—See *Dianthus Barbatus*

See Colored Section

TARRAGON

—*True*. Used for cooking purposes. Large clumps. (This variety does not produce seed.) Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

THALICTRUM (Meadow Rue)

These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-Hair Ferns.

8540+*Adiantifolium*. 9 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8541 *Aquilegafolium*. Feathered Columbine. Handsome foliage; sepals white, stamens purple. 3 ft. Seeds, 25c per pkt.

8545 *Dipterocarpum*. 4 to 5 ft. August-September. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8546 *Flavum*. Common yellow variety. 2-4 ft. Flowers in June. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8547 *Glaucum*. Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

TRADESCANTIA

—*Virginiana*. (Spiderwort.) Long grass-like leaves and blue or violet flowers. 2 ft. May-August. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

TRILLIUM (Wake Robin)

One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.

—*Grandiflorum*. May-June. White. 12 in. Plants, 3 for 65c; doz., \$1.50; 100, \$8.00.

TRITOMA (Kniphofia) (Torch Lily, Flame Flower, Red-Hot Poker)

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8555 *Uvaria Grandiflora*. 4 ft. August-November. The ordinary red Tritoma. Seeds, 15c per pkt.

—*Grandis* (*Pfitzeri*). Orange-scarlet. 2-3 ft. August-September. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8556 *Hybrida Early Flowering Mixed*. These hybrids will contain many interesting colors and all will flower early. Seeds, 25c per pkt.

8557 *Express*. An early flowering yellow with a red bud. Seeds, 25c per pkt.

8558 *Tuckii*. Sometimes called May Queen. Flowers dark rose and creamy yellow. Seeds, 25c per pkt.

TROLLIUS (Globe Flower)

Desirable free-flowering plants, producing their giant buttercup-like blossoms on stems 1-2 feet high, from May until August; succeed admirably in the border in a half-shady position in well-drained, preferably light soil.

8554 *Europaeus Ledebouri*. Large orange-yellow flowers. Blooms until end of June. Seeds, 25c per pkt. Plants 3 for \$1.40; doz., \$4.50.

TUNICA

8559+*Saxifraga*. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Seeds, 15c per pkt.

VALERIANA (Garden Heliotrope)

—*Officinalis*. Produces showy heads of rose-tinted white flowers during June-July with delicious strong heliotrope odor. 3 to 4 ft. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8560 *Var. Rubra*. 2 ft. Sweet-scented red flowers. Seeds, 10c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8565 *Var. Alba*. Pure white fragrant flowers. Flowers in June and is one of the most charming perennials. Seeds, 10c per pkt.

VERBASCUM

8568 *Hybridum, Miss Willmott*. Hardy biennial. The large flowers are produced in stately spikes, rising to a height of 5 to 6 feet and continue from July to frost. A lovely white variety. Seeds, 15c per pkt.

VERNONIA (Ironweed)

—*Altissima*. A hardy perennial herb of attractive appearance with rather large heads of purple flowers in terminal clusters in late summer or late fall. 5-10 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



STATICE Latifolia

VERONICA (Speedwell)

Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.

8570 *Spicata*. Blue. 2 ft. July-August. Small spikes of rich blue flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Spicata Alba*. June-July. White. 18 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8575 *Perennial Varieties, Mixed*. Seeds, 15c per pkt.

—*Amethystina*. June-July. Blue. 2 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8576 *Longifolia*. Spikes of light blue flowers, glaucous blue foliage. 2½ ft. July-September. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8577+*Incana*. Ageratum-blue. 12 in., summer. Seeds, 25c per pkt.

8578+*Prostrata Mixed*. Blue and white. Trailer. June-July. Seeds, 25c per pkt.

+*Rupestris*. Dwarf and spreading. Deep blue flowers. May-June. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

VINCA

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees.

+*Minor (Grave Myrtle)*. 4 in. June. Green foliage, large blue flowers. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

VIOLA (Violet)

8580+*Single*. Deep blue, common single violet. Seeds, 10c per pkt.

+*Jersey Gem*. (New) Short, bushy growth blooming throughout the summer, having flowers of rich pure violet. Long stems make it a good cut-flower variety of the Violas. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8581+*Bosniaca*. Free-blooming, small deep purple flowers. Seeds, 25c per pkt.

8582+*Cornuta G. Wermig*. The flowers of this hardy Viola are exactly like a very large single violet with a long stem, and it is practically ever-blooming. It does well in partial shade. Is also well fitted as a rock plant and bordering. Seeds, 35c per pkt.

8583+*Cornuta Alba White Wermig*. A white form of the above. Seeds, 35c per pkt..

8584+*Gracilis Lord Nelson*. Glowing violet purple. 6 in. April-August. Seeds, 35c per pkt.

YUCCA (Adam's Needle)

8585 *Filamentosa*. 5-6 ft. or more. June-July. Handsome creamy white flowers, much branched and densely packed with bloom, with sword-like foliage. Seeds, 10c per pkt.

—*2-Year*. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*3-Year*. Plants, 3 for \$1.25; doz., \$4.00.

Garden Chrysanthemums



LARGE-FLOWERING OUTDOOR TYPE

LARGE-FLOWERED Outdoor Type

A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 feet high, thriving in any good garden soil.

Price, each, 25c; prepaid; doz., \$2.00; per 100, \$10.00 (by exp.).

A. BARHAM. A beautiful orange-bronze; the first variety of this color to come into flower. Shows up wonderfully well under light when used as a decoration.

CARRIE. Flowering the end of August. Yellow and in cluster form.

CRANFORDIA. Color deep bronzy yellow. In this variety we have an early-flowering 'Mum' that covers every possible point; perfect in flower and stem; foliage up to the flower, and every plant will carry twelve to twenty beautifully finished blooms.

CRANFORDIA PINK. Beautiful shade of light pink. Growth and habit same as Cranfordia.

WE WISH our patrons to note that in our list of Chrysanthemums we do not pretend to have the largest collection of varieties; but we offer those varieties that have proven the best from all sources. Chrysanthemums fill an important place in the garden program. They blossom in the late fall, after most of the other flowers have gone and upon them we must depend for the final weeks of the garden season.

They are easily grown and the hardy types can be carried over even in severe winters, if they are given protection. None should be grown in sections where zero temperature is frequent, unless they are protected through the winter. A heavy mulch of leaves is the best protection, put on after the ground is frozen; as otherwise rodents are likely to cause damage.

It is possible for excellent specimens of the indoor types to be grown by the amateur. They blossom before severe weather arrives and a sun-porch usually gives sufficient protection.

Large-Flowered Outdoor Type—Continued

CRANFORDIA WHITE. Pure milk white; very desirable variety; free-flowering.

FIREFLY. A reddish bronze; flowers very early and continues until late frosts arrive.

G. GRUNNERWALD. A very fine variety of the Japanese section. The flowers average 5 inches; color, light pink.

GOLDEN QUEEN. Large pure golden yellow.

HARDY PINK. This is one of the hardiest varieties we know of. Flowers are a deep rose pink of medium size; very free-flowering.

LE PACTOLE. Bronzy yellow, large flower, heavy foliage and strong grower. Disbud slightly.

MRS. H. H. CRANE. Brilliant mahogany striped golden yellow. A strong grower and early-flowering variety.

WOLVERINE. Very early, flowering outdoors with Normandie and Carrie in this locality about August 20. A seedling from Normandie but much heavier and stronger stem. Produces large sprays; color, bright yellow.

SPECIAL OFFER No. 88A. Set of above 12 Large-Flowered (Outdoor Type) plants for \$2.15, prepaid.

CAPRICE TYPE

Originated in France. A new early-flowering strain and ideal for pot culture. Can be planted out in the open ground in May if desired and potted the first part of September, making beautiful specimens.

Each, 25c prepaid; doz., \$2.00; 100, \$10.00, by exp.

BUTLER'S CAPRICE. Flowers deep pink; compact grower.

IMPROVED YELLOW CAP. Deep buttercup-yellow.

KATHERINE THOMPSON. Bronze and orange; strong grower

LILAC CAP. Pretty lilac-mauve. Dwarf.

PURPLE CAP. Dwarf compact grower.

WHITE CAP. Pure white.

SPECIAL OFFER No. 88C. Set of 6 for \$1.15, ppd.

SMALL-FLOWERED

Outdoor Varieties

The following varieties are a cross between French sorts and the Hardy English varieties and have gained popularity in this country in recent years, because with slight protection they will withstand our severe winters.

Price, each, 20c; doz., \$1.50; per 100, \$8.00 (by exp.)

BIJOU ROSE. Beautiful rose; free-flowering; dwarf growing.

BRONZE QUEEN. Bronze-red underlaid with yellow, changing to orange with yellow showing through. Petals flat, but slightly twisted.

CLORINDA. Semi-dwarf, producing erect sprays of an even shade of bronze.

CHARLOTTE. Deep bronze.

COMETA. Dark rose shaded magenta.

FAIRY QUEEN. Very handsome bright pink, large.

FRANCIS HUCKVALE. Pure white; early-flowering and very free-bloomer.

HILDA CANNING. Reddish bronze button

KATE MANNING. Reddish bronze; very early.

MISS SEELEY. White, one of the best earlies.

UNEDA. Deep yellow; early.

WINNETKA. Pure white; very free-flowering.

YELLOW GEM. Lemon-yellow; very showy.

ZODA. Rose-pink; early.

SPECIAL OFFER No. 88. The set of 14 Pommers for \$2.25 prepaid.

All Collections of Chrysanthemum Plants and those ordered at single plant rate go prepaid. Larger quantities by express at buyer's expense.

Vaughan's Vigor Strawberry Plants

Our plants are grown under ideal conditions in Michigan. They have been developed from selected plants. We expect to make "Vaughan's Vigor" Strawberry Plant the standard for the country. We know you will be pleased. Varieties below are up to date.

Write for pamphlet on Strawberry Culture.

All varieties listed are perfect sorts and are self-pollinating and will bear as well if set by themselves.

AROMA. (Per.) Late. One of the most popular late varieties. Fruit large to very large; holds its size well throughout all the pickings. Berry is roundish, conical, smooth and perfect in form and of a beautiful bright glossy red in color; very firm and of high quality. Its rich aromatic flavor has suggested its name.

DR. BURRELL. (Per.) Mid-season. The berries are large, delicious and beautifully formed. The surface of the berry is a deep glossy red. The meat is solid. If you are looking for a good dependable all-purpose variety you will make no mistake in planting Dr. Burrell. In manner of plant growth this variety closely resembles Senator Dunlap, but will produce more, bigger, and better berries and ripening as it does a few days earlier than Dunlap.

COOPER. (Per.) Mid-season. The large size and the beautiful brilliant color of the berries immediately attracts the attention of every one, but the greatest feature of all is that peculiar mild, delicious flavor not found in any other Strawberry. Due to the wonderful vigor of the plant this variety is adaptable to a wider range of soils and climate than any other variety. The foliage is immense. The big broad leaves often growing a foot high. Cooper is strongly staminate and can be grown alone and is an ideal mate of any of the pistillate or imperfect varieties due to the long blooming season.

Price, 25 for 75c; 100 plants for \$2.00; postpaid to 4th zone. By express, 100 for \$1.75; 500 for \$7.50; 1000 for \$14.00.

GIBSON. (Per.) Medium early. Berries are large and regular in shape holding their size well to the end of the season. Color rich red. Flavor is neither sweet nor sour, but just right for canning. Extremely productive, in fact we know of no variety that will produce more quarts of berries per acre than the Gibson. It makes a strong, vigorous plant that withstands adverse conditions admirably. This variety seems to embody every requirement necessary for a profitable berry. We recommend it and know you will not make any mistake in planting Gibson.

Price, except where noted, postpaid up to the 4th zone, 25 for 50c; 100 plants for \$1.50. Postpaid from 4th zone to 8th zone, 25 for 60c; 100 for \$1.75. By express, at buyer's expense, 100 for \$1.35; 500 for \$6.50; 1000 for \$12.00. Write for prices on larger lots.

PREMIER. (Per.) Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper. The deep heavy rooting system makes the plant a strong drought resister, and it is especially adapted to any soil or climate, giving you a big crop of fancy berries which will sell at highest prices. Where extra fancy early fruit is wanted we advise this.

SENATOR DUNLAP. (Per.) Mid-season. The fruit is dark red with glossy finish, shading to a deep scarlet on the underside. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as with the veteran grower—but it should not be allowed to mat too thickly. For a medium sized productive early to mid-season berry you need not hesitate to plant Dunlap.

SPECIAL OFFER No. 19. A Strawberry collection, 100 fine strong plants (Spring delivery only) in four good sorts, our selection, postpaid, for \$1.50.

Three Leading Everbearing Varieties

CHAMPION. A strong, healthy, deep-rooted plant, very productive. Fruit similar to Dunlap in size, shape and color. A beautiful rich red color clear through, good quality and delicious flavor. In addition to the wonderful fall crop produced by the Champion they are the earliest to ripen in the spring.

PROGRESSIVE. (Everbearing.) Has long been the leading everbearing variety. It now has to take second place as the new Champion is superior in every respect. The Progressive is a tall, healthy grower, deep-rooted and entirely free from fungous diseases. Very productive, berries medium size, good quality and delicious flavor.

Price of above two varieties, 25 for \$1.00, 50 for \$1.65, 100 for \$2.75, postpaid to 4th zone; 250 for \$5.00; 500 for \$8.00; 1000 for \$16.00 by express.

MASTODON. (New.) The world's greatest everbearing because nothing like it was ever achieved before, producing nearly 6000 quarts per acre during August, September, October and November. In size, quality, flavor and appearance Mastodon heads the list. Unlike other everbearers, the plants of Mastodon are large, vigorous, heavily crowded and deep rooted.

Price, 25 for \$2.00, 50 for \$3.25, 100 for \$6.00, postpaid to 4th zone; 250 for \$11.00, 500 for \$20.00, 1000 for \$35.00, by express.

POT-GROWN STRAWBERRIES FOR FALL PLANTING. Ready about August 1st. For price see our fall catalog.



MISS LASSBERG



EUROPA



RIVERTON JEWEL



RHEINLANDER

Vaughan's Hardy Phlox

(Phlox Decussata)

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted, they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July

Anton Mercie. Very large lilac flower with a pure white centre.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Baron Von Dedem. Brilliant orange-scarlet with immense trusses and individual flowers.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

Beacon. A very fine brilliant bright cherry red.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

B. Comte. Rich satiny amaranth flowers.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

Bridesmaid. Pure white with large crimson-carmine eye.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Champs Elysees. Dark purple with very large trusses.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Crespuscule. Large cherry red centre, edge pale violet-pink. The flowers and trusses are immense.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Eclaireur. Brilliant rosy magenta with large, lighter halo.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Elizabeth Campbell. Bright salmon-pink with lighter shadings and dark red eye; one of the handsomest and most attractive.

3 for \$1.25; doz., \$4.00; 100, \$25.00.

Enchantress. An improved Elizabeth Campbell. Brighter, richer, salmon-pink. Stock limited.

3 for \$1.50; doz., \$5.00.

Europa. White, distinct carmine eye, large flower.

A general favorite.

3 for \$1.25; doz., \$4.00; 100, \$25.00.

Frau Anton Buchner. Pure white. Has a strong habit and produces flowers of an enormous size and perfect form.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Ferdinand Cortez. Deep rose-pink shaded salmon towards center.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

G. A. Strohlein. Orange-scarlet-red with bright carmine eye.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

General Van Heutz. Salmon-red with a white and carmine eye. Extra fine.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

Hindenburg. Crimson-red with darker eye; very choice.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

Isebay. Fine salmon-pink.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Jules Sandeau. Dwarf; very large flowering; pure pink. One of the finest.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

La Vague. Pure mauve with aniline-red eye.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Le Mahdi. Dark purple-violet. Probably the darkest phlox grown.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Lord Raleigh. The best dark lilac.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

Miss Lassberg. The purest snow-white in cultivation. Extra fine. Large open truss, ideal as cut flower.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Miss Lingard. (*Suffruticosa*). Pure white; the earliest of all. Blooms all summer; good for cut flowers.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Mrs. Chas. Dorr. A tall, vigorous blue mauve or lavender.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Mrs. Milly Von Hoboken (new). Pure soft pink without eye, large flower on long erect stems. A very fine novelty.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

Pantheon. Clear deep carmine-pink with a faint halo.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Prof. Virchow. Bright carmine overlaid with vivid orange-scarlet.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

Rheinlander. A new variety of great beauty, a rare shade of salmon-pink intensified by a distinct claret-red eye. Flowers and truss of unusual size.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

Rhynstrom. Beautiful rosy pink color not unlike that of Paul Neyron rose. A good strong grower and very free flowering.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

Riverton Jewel. A lovely mauve-rose illuminated by a brilliant carmine-red eye.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

R. P. Struthers. Rosy carmine with claret eye.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

Salmon Queen. A true, clear, salmon-pink of large size. One of the most vigorous and robust growers.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

Siebold. An improved Coquicot; vivid orange-scarlet; somewhat brighter and a stronger grower.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Sir Edwin Landseier. A good light red slightly tinged with rose.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

Special French. Beautiful blush pink with a salmon eye. Enormous flowers and trusses.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

Thor. A splendid new variety of a lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow.

3 for \$1.25; doz., \$4.00; 100, \$25.00.

Von Hochberg. Brilliant amaranth-purple.

3 for \$1.25; doz., \$4.00; 100, \$25.00.

Wanadis. Lilac with violet-red eye.

3 for \$85c; doz., \$2.50; 100, \$20.00.

W. C. Egan. Delicate lilac-pink with solferino eye; fine.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

Widar. Violet-blue with a pure white eye. Fine large flowers.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

MIXED. 1 year field-grown plants of a choice mixture of colors. 3 for \$65c; doz., \$1.50; 100, \$10.00.

Named varieties. Our selection.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Special Offer: No. 92. One each of 10 varieties, our selection from above. All distinctly labeled for \$2.50, prepaid.

Special Offer: No. 92A. One each of 6 varieties (six plants), our selection. Distinctly labeled for \$1.75, postpaid.

Special Offer: No. 92B. Two plants each of 3 varieties (six plants), three distinct colors, our selection, for \$1.50, postpaid.

Dwarf and Alpine Phlox

These are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves and are quite distinct from other Phlox.

Divaricata Canadensis. One of our native species which is worthy of extensive planting, commencing to bloom early in April and continuing through May with large fragrant lavender flowers on stems 10 inches high.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Divaricata Schneekuppe. Same as above variety except color which is a pure white all-out 10 to 12 inches high, early flowering. 3 for \$85c; doz., \$2.50; 100, \$15.00.

Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June, height 4 in.

3 for \$85c; doz., \$2.50; 100, \$15.00.

Subulata Rosea. Same as above, but with dainty pink flowers. This and Alba are fine for graves. 3 for \$85c; doz., \$2.50; 100, \$15.00.

Peonies

Peonies may be planted in the fall or spring, but fall planting has many advantages. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of the shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient.

Named Sorts.—Our selection, White, Pink, or Red, divided roots, each, 75c; 3 for \$2.10; medium size root, White or Pink, each, \$1.00.

If to be sent by mail, add 5c per root for the divisions and 12c for the medium size plants.

Un-named Sorts

Double White. Divided roots. Each, 50c.

Double Pink. Divided roots. Each, 50c.

Double Red. Divided roots. Each, 60c.

Peony Collection

One each of three named varieties, one pink, one red and one white, our selection, divided roots, for \$2.00, postpaid.

Vaughan's Irises

Flag Iris or Fleur de Lis

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5¢; 3 plants, 10¢; 6 plants, 15¢; 12 plants, 25¢. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit when quantities are over 18 to 24 plants. Please pack carefully. We accept no responsibility for delay or damage over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curving petals; "F" to falls or drooping petals.

The figures preceding the varieties are the rating given to them by the Iris Society, 10 being the highest rating used in judging.

Iris are the most effective if planted 3 of a kind in a clump.

New and Choice Varieties

8.3 **Afterglow.** Large flowers of soft grayish lavender shading to rich yellow through the center. A thrifty, tall grower and free bloomer. Each, 50¢.

Argentine. 33 inches. A magnificent new white Iris with gold-yellow falls, and prominent yellow beard. Splendid in form, carriage and texture. Each, \$1.00.

9.4 **Ambassadeur.** 40 inches. "S" smoky bronze; "F" dark velvety maroon. A strong grower, carrying its large flowers well disposed on its standards petals of great substance. Vilimov's finest seedling. Late. Each, \$1.00; 3 for \$2.50.

Ariadna. A beautiful flower of good substance. "S" pure silvery light blue with wavy edges; "F" deeper blue with violet veins. Strong grower and free blooming. Each, \$3.50.

9.2 **Asia.** 45 inches. Pale silvery lavender deepening at the base to golden yellow. "F" pale reddish purple, lighter at the edges. Base of standards are heavily circled, beard bright orange. Standards strong stately, vigorous, bearing large flowers of unusual substance and form. Each, \$3.00.

9.4 **Ballerine.** 48 inches. "S" light violet-blue; "F" a deeper shade. Very fragrant. The large flowers 3½ inches in height, are borne on strong, tall and slender stems, are well set at each. Similar to Lord of Junes, but superior to it on account of its better keeping qualities. Early. Each, \$1.00; 3 for \$2.50.

7.9 **Benbow.** 36 inches. "S" and "F" deep violet blue; very large flowers; one of the best in the pyramid group and the best of its color. Midseason. Each, \$1.00.

8.5 **B. Y. Morrison.** 33 inches. "S" pale lavender violet; "F" velvety purple with broad lavender border. Well shaped flower with fine horizontal lines. Each, 50¢; 3 for \$1.20.

Cannova. 36 inches. A wonderful Dominion seedling. "S" reddish violet, broad and finely arching; "F" rich pansy violet. Large flowers of great substance and very free flowering. Each, \$4.00.

Cat's Whiskers. 24 inches. "S" and "F" a uniform soft shade of catleya-rose. A beautiful flower, dome-shaped, with broad ruffled petals. Each, 50¢; 3 for \$1.20.

Chasseur. 36 inches. There is no doubt the most brilliant of European origin. Very fine large flower of deep yellow, becoming lighter with age. Each, \$2.50.

8.6 **Cluny.** 38 inches. "S" pale lilac-blue; "F" slightly deeper with brown veining at the base. Flowers very large size, of fine form, and well placed; very desirable sort. Early. Each, 50¢; 3 for \$1.00.

8.0 **Col. Candelot.** 36 inches. "S" smoky copper; "F" deep rich crimson. Flowers large and distinct in color. A vigorous grower and free blooming. Each, 50¢; 3 for \$1.20.

8.3 **Constance.** 36 inches. "S" and "F" aniline-blue, a little darker than Celeste. Flowers of medium size; very free flowering and late. Each, 75¢; 3 for \$1.50.

8.7 **Criollo.** 36 inches. "S" light blue; "F" deep violet-blue. The flowers are very large, broad-petaled and of great substance; they are freely produced. One of the best clear blues. Midseason. Each, 75¢; 3 for \$1.50.

8.3 **Dejazet.** 24 inches. Brown flower with dark red falls; reddish violet the whole beautifully blended. Large, broad flower. Midseason. Each, 50¢; 3 for \$1.00; 10, \$3.00.

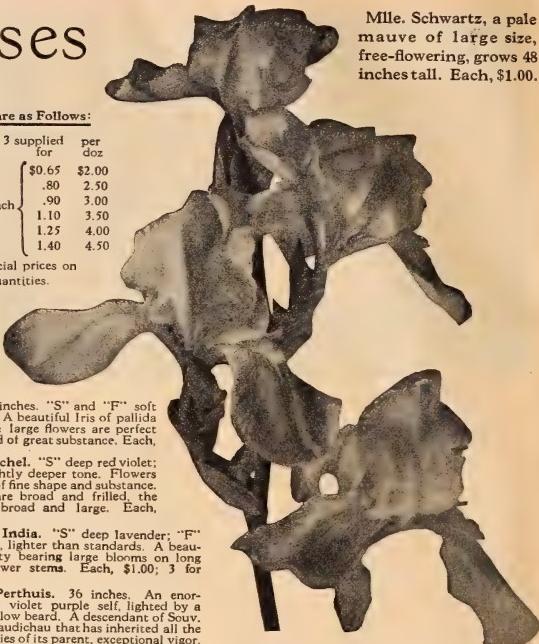
9.1 **Dominion.** A wonderful Iris in a category of its own and the forerunner of a new race on account of its extraordinary development of the fall. "S" Dauphin's blue or light bluish violet, large, erectly held, well developed and slightly veined. "F" of exceptional substance expanding at the base to a deep rich indigo-purple center. Light veining at throat; somewhat crinkled orange beard; broad blue-green foliage. Each, \$8.00.

Relative Prices are as Follows:

Plants priced at	3 supplied for		per doz
	\$0.25	\$0.65	
.30		.80	2.50
.35		.90	3.00
.40		1.10	3.50
.45		1.25	4.00
.50		1.40	4.50

Write for special prices on larger quantities.

Mile. Schwartz, a pale mauve of large size, free-flowering, grows 48 inches tall. Each, \$1.00.



8.5 **Dream.** 36 inches. "S" and "F" soft clear pink. A beautiful Iris of pallida type. The large flowers are perfect in form and of great substance. Each, \$1.00.

8.6 **Edouard Michel.** "S" deep red violet; "F" a slightly deeper tone. Flowers large and of fine shape and substance. The "S" are broad and frilled, the "F" are broad and large. Each, \$1.00.

Empress of India. "S" deep lavender; "F" light violet, lighter than standards. A beautiful novelty bearing large blooms on long elegant flower stems. Each, \$1.00; 3 for \$2.00.

Germaine Pertuis. 36 inches. An enormous, rich violet purple self, lighted by a strong yellow beard. The name is that of Madame Gaudichaud that has inherited all the good qualities of its parent, exceptional vigor, good habits, and great freedom of bloom. Flower has a wonderful velvety appearance and is deliciously scented. Each, \$1.00.

George Yield. A new flowering variety with a new combination of colors. "S" apricot shaded rose; "F" brilliant rose-crimson edged buff. Large flowers of very fine form. Each, \$7.50.

Gold Imperial. 33 inches. Chrome yellow throughout except for conspicuous orange beard. Medium-sized flowers of rare texture and form. A fine yellow Iris, deeper in color than Standard. Each, 50¢; 3 for \$1.50.

8.5 **Greville.** 26 inches. "S" violet shaded white; "F" wine-colored. A strong grower with large, well formed flowers. Very aromatic. Late. Each, 75¢; 3 for \$1.50.

Imperator. 36 inches. "S" Clear violet tinted buff; "F" reddish violet; throat reticulated red-brown. A strong growing plant bearing its large flowers on strong stems; color similar to Standard, but more robust. Late. Each, \$2.50.

King Karl. A beautiful plant of great substance which is deeply frilled and heavily dotted reddish brown. Each, \$3.00.

Lady Byng. A beautiful Iris with flowers of exceptionally fine form and substance. The color throughout is a clear pale lavender with a slight suffusion of rose. Each, \$2.50.

8.3 **La Neige.** 24 inches. "S" and "F" pure glistening ivory-white. The falls are carried stiffly, horizontally, resembling that of a Japanese Iris. This is in our judgment the best of all whites. Each, 50¢; 3 for \$1.00.

9.0 **Lent A. Williamson.** 42 inches. "S" lavender-violet; "F" velvety royal purple. The flowers are of gigantic size; it is a tall and luxuriant grower and the flowers are freely produced. Each, 50¢; 3 for \$1.25.

Leonato. 48 inches. "S" pale lavender to silver heliotrope; "F" slightly darker and widely expanded. Flowers fragrance, including large and shapely. Early flowering and very strong growing. An unusually fine Iris. Each, \$7.50.

9.1 **Leverrier.** 42 inches. "S" light purple; "F" rich velvety pansy-violet. A magnificent Iris of vigorous growth, producing its mammoth flowers on tall branching stems. Each, \$2.00.

9.1 **Lord of the Isles.** 40 inches. "S" flappy lavender-blue; "F" rich violet-blue. Flowers exceedingly large and handsome; very bold and vigorous habit. Each, 75¢.

9.1 **Magnifica.** 44 inches. "S" light purple on white; "F" dark reddish purple. A strong, stocky plant with branching stems close to 4 feet tall. Flowers of heavy texture, measuring 6 inches high; stands heat well. Very fragrant. Midseason. Each, \$1.00.

8.5 **Medrano.** 26 inches. "S" and "F" a powerful dark smoky claret, a very rare color. Flowers of large size. Late. Each, 75¢; 3 for \$1.50.

Mildred Presby. 30 inches. "S" white; "F" rich, dark, velvety pansy-violet, with narrow edge of lavender white. Large flowers of exceptional fine substance and clear coloring. A bright Rhine Nine. Each, \$2.25.

8.7 **Mile. Schwartz.** 48 inches. Lovely pale mauve flowers of exceptionally large size, borne on very tall branching stems. Each, \$1.00.

8.5 **Mme. Chobaut.** 36 inches. "S" white shot with pale chalcidony yellow, shading into wine red; "F" white edged with lilac. A very pleasing contrast of colors. Each, \$1.00; 3 for \$2.00.

8.5 **Moliere.** 28 inches. "S" violet; "F" deep velvety violet; yellow beard. Early. Each, 60¢; 3 for \$1.25.

Morning Splendor. 40 inches. "S" petunia-violet; "F" rich purple. The flowers are large of fine form, heavy substance, and delightful fragrance, borne on tall, strong stems; gives a beautiful red effect in the garden. Each, \$4.50.

Mother of Pearl. 48 inches. A pale bluish lavender flower of exceptional substance and a lustrous texture. A wonderful Iris, tall and vigorous in growth and free flowering. Each, 75¢; 3 for \$1.50.

Mrs. Hetty Watson. "S" purple fawn, shot yellow; "F" broad rich crimson purple; rich yellow beard. Fine large globular flowers. Each, \$2.50.

Mrs. Walter Brewster. 36 inches. "S" lavender-blue; "F" amiline-blue. This was awarded the Mrs. E. Harding prize at Paris in 1921 as the most meritorious introduction of Iris. As many as six flowers open at the same time, some over 6 inches long. Each, \$1.00; 3 for \$2.25.

8.1 **Neptune.** 38 inches. "S" bright pale blue; "F" rich dark purple. Flowers very large, borne on tall branching stems; very choice. Midseason. Each, 50¢; 3 for \$1.00.

IRIS—Continued

7.9 *Ochracea*, 30 inches. "S" dull old gold, finely arched; "F" coppery yellow, tinged with purple. Flowers of wonderful coloring and artistic form. Very sweet scented and late. Each, \$2.00.

8.7 *Openum*, 28 inches. "S" Bishop's (red) purple; "F" purple-purple-violet. A wonderful coloring. Each, 50c; 3 for \$1.00.

Prospero, 48 inches. "S" pale lavender flushed with yellow at base; "F" deep red-purple with lighter shadings at margin. Heavily marked with brown at the hilt. Dark orange beard. A tall-growing variety bearing enormous flowers of fine shape. Each, \$1.00; 3 for \$2.00.

9.5 *Princess Beatrice*, 40 inches. A selected form of *Pallida Dalmatica* and one of the finest of all the Irises. Silvery lavender flowers of satiny texture and heavy substance. The falls are well rounded and flaring. Each, 75c; 3 for \$1.50.

9.1 *Queen Caterina*, 40 inches. Pale lavender-violet with orange beard. A strong grower; flowers large with domed standards and rounded, drooping falls. A splendid variety. Midseason. Each, 75c; 3 for \$1.50.

8.1 *Raffet*, 26 inches. "S" delicate soft lavender-colored with lavender-violet brown markings at the hilt on light ground. Late. Each 50c; 3 for \$1.00.

Robert W. Wallace, 36 inches. "S" rich violet; "F" very deep rich purple-black; beard conspicuous, orange tipped. A magnificent large dwarf Iris with richer coloring than *Archangel*. Each, \$5.00.

8.3 *Sedemole*, 30 inches. "S" soft violet-rose; "F" rich velvety crimson, brilliant orange beard. One of the most outstanding sorts. Midseason. Each, 60c; 3 for \$1.20.

8.7 *Shekinah*, 36 in. Clear soft yellow, shaded deeper through the center. One of the finest yellow Irises and the first of pale yellow growth. Midseason. Each, \$1.00; 3 for \$2.00.

Sou. de Loetitia Michaud, 48 inches. Magnificent flowers of an attractive shade of Lobelia blue, shading toward the edge to pale blue; vivid yellow on a white ground at the hilt; tall and free-flowering on well branched stalks. Each, \$7.00.

9.3 *Sou. de Mad. Gaudichau*, "S" and "F" rich deep purple. This is without a doubt the most beautiful of all the deep purple Iris. The plants are vigorous, the stalks are tall and the magnificent flowers, of great size and grandeur, are freely produced and well placed. Early. Each, \$1.25.

Susan Bliss, 42 inches. Exquisite flowers of a uniform shade of deep rose pink, with a light orange beard. Fine shape and of splendid substance. Tall and very free-flowering. One of the best. Each, \$8.00.

8.5 *Sutteri*, 36 inches. "S" pale lavender; "F" deep rose-lavender, very broad and horizontal. A lovely Iris with fine fragrance. Each, \$1.00.

The Incas, 24 inches. "S" deep, clear saffron yellow; "F" velvety dark plum, edged with a golden band through center. An improvement of Peacock's Eye. Midseason. Each, 50c; 3 for \$1.00.

Trianon, 28 inches. "S" nearly flesh; "F" yellow with a cast of blue. A long and very delicate combination of colors. A vigorous grower and a free-bloomer; flowers large and well formed. Each, 50c; 3 for \$1.00.

8.4 *Trost*, 24 inches. "S" deep rosy purple; "F" paler, veined violet changing to brown. Unique and beautiful. Each, 75c.

8.3 **W. J. Fryer**, 30 inches. "S" bright yellow; "F" deep maroon with narrow yellow border. An improved Iris King. Late. Each, 75c; 3 for \$1.50.

Yolande, 35 inches. An improved Sou. de Mad. Gaudichau of a wonderful shade of rich, velvety dark-blue-purple. Flowers large; stalks well branched and growing vigorous. Each, \$5.00.

8.5 *Zantedeschia*, 20 inches. "S" cream, striped maroon; "F" dark olive-green, edged violet. Large flowers of peculiarly pleasing coloring. Early. Each, \$1.00; 3 for \$2.00.



JAPANESE IRIS

Standard Irises

8.9 *Alcazar*, "S" light bluish violet; "F" rich velvety crimson-purple. A very handsome Iris of good growth, producing tall, strong, widely branched flower stalks. The flowers are large and of good texture. Similar to Lent or Williamson. Each, 35c; 3 f r 70c.

7.8 *Amas (Macrantha)*, "S" rich blue; "F" violet; very large and handsome, a very desirable sort. Each, 25c.

8.3 *Arquebeau*, "S" deep velvet violet; "F" deep purple-violet; an exquisite Iris; a wonderful bloom of finest texture. Each, 40c.

8.8 *Pallida Dalmatica*, One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very free-flowering. Exquisite shade of lavender-blue. Very effective if planted among evergreens or in front of *Spiraea Van Houttei*. Each, 25c.

7.2 *Princess Victoria Louise*, "S" sulphur-yellow; "F" plum color, bordered cream. A very uncommon and pleasing shade. The flower stalks are strong and the habit bold. Each, 25c.

8.3 *Prosper Lauzier*, Midseason. "S" fiery bronze; "F" velvety ruby-purple like a pansy bloom. Each, 35c.

8.4 *Quaker Lady*, "S" smoky lavender, shaded yellow; "F" ageratum blue and gold. A strong grower, odd and attractive. Each, 35c.

7.4 *Queen of May*, "S" lilac-pink; "F" lilac, blended with white; distinct. Each 25c.

8.4 *Rhein Nine*, "S" white, very large; "F" rich violet-purple with distinct narrow white edge. A charming variety. Beautiful in masses effect. Each, 25c.

7.6 *Sherwin Wright*, Early. "S" and "F" splendid golden yellow, without shading or markings. Multiplies rapidly and is most satisfactory. Each, 25c.

7.6 *Stormcloud* (*Nude d'Orage*). Very large flowers of grayish slate-blue, with bronze shading. "F" purplish blue. Very fine. Each, 25c.

8.0 *Violacea Grandiflora*, "S" and "F" clear violet-blue. The best true blue. Each, 25c.

8.3 *White Knight*. A beautiful absolutely snow-white Iris without markings of any kind; delicately sweet-scented. It fulfills in every way its worthy name. Each, 90c.

VARIOUS IRISES

Cristata (*Crested Iris*). Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden. Each, 30c.

Sibirica (Blue). **Wallace**, (Azure blue.) Falls marked with. Each, 25c.

Sibirica (Berry's Blue). A tall, beautiful variety and extra fine for cutting. Large well formed flowers of a wonderful shade of sky-blue. Each, 75c; 3 for \$1.50.

Sibirica Snow Queen. Large, Ivory white. Each, 25c.

Pseudocarosus (Common Yellow Water Flag). Bright Yellow. Fine for waterside plantings. This and the *Versicolor* are the only Irises that may be planted safely where water stands. Each, 25c.

Purpurea (*Hybrid*). A tall variety of German Iris, growing about 8 inches, with very free-blooming, sweet-scented flowers three weeks before the German Iris.

—*Cyanæa*. Rich royal purple with black shading. Each, 25c.

—*Florida*. "S" citron yellow; "F" deeper yellow beautifully veined. Each, 25c. —*Schnitzecke*. White. Each, 25c.

Variata (Common American Water Flag). Showy violet-blue, remaining in bloom for a long time. Good for waterside plantings. Each, 25c.

JAPANESE IRISES (Kaempferi)

The last of the Iris Species to bloom and the most beautiful. Their remarkable flowers are generally rather flat and wide, often measuring 10 to 12 inches across and appear in great profusion in June and July, thus prolonging the Iris season.

These Irises should be planted in a sunny and moist location, but should not be allowed to stand in water. If well watered previous to and during the blooming period, "blooms of greatest size and" earthen will be secured. Price, each, when noted, each, 50c; for \$1.25.

G'd Bound. White with gold-bordered center. Double. Early.

Hana-Na-Nishiki. Bright rosy crimson. An early double.

Helene. Blue ground, slightly veined darker blue. Double.

Hercule. Clear lilac-blue. Double.

K-mochi-guma. Dark purplish indigo. Mid-season. A beautiful double.

Kumo-No-Ochi (*Band of Cloud*). A very full variety of pinwheel lavender effect.

Mahogany. Velvety mahogany red. Double. Melpomene. Soft blue, distinctly veined with dark blue. Double.

Momig-No-Taki. Variegated rosy carmine. Purple and Gold. Rich violet-purple. Gold center. Double. Midseason.

Uchii. Cerulean blue, veined white. Gold center. Double.

Zaria-No-Mori. White, slightly shaded azure blue. A large and beautilful single.

Mixed. Each, 50c; 3 for \$1.00.

7.1 *Mrs. Fryer*, "S" white shaded heliotrope; "F" purple-crimson, bordered a lighter shade; white veins from center to base. Orange beard. Each, 35c; 3 for 70c.

7.8 *Oriflamme*, "S" light blue; "F" violet-purple. Flowers very large and handsome. A most desirable variety. Each, 50c; 3 for \$1.00.

Our
Intro-
duc-
tions
of
1928

V2

PINKPRIM

VIRGINAL

LANSING

HURON

WITH the rapid development of new forms and colors, a new conception of the possibilities of the gladiolus in the garden is beginning to be apparent to progressive garden makers.

Having won pre-eminence among summer cut flowers it is now being recognized as an invaluable factor in the garden display. Whether you have an informal border, or formal beds, there will probably be some spot where a group of twelve or twenty-five stately glads, of exactly the proper height and color, will give just the right effect at a time when, but for this adaptable flower, interest would be missing.

You can plant gladioli anywhere, and at any time up to June 15 with certainty that in due time you will have flowers; and the time is easily calculated.

In color range the gladioli are now excelled only by the tulips; and such progress is being made that before many years even the tulips may be equaled. If there is a weakness now, it is in the purples; but this weakness is being overcome. Baron Hulot, so long the only good

violet-purple, is now reinforced by Sovereign, a real improvement upon it; and by many of the pinkish and reddish purples and lavenders. And before many years we have reason to believe the list of violets will be augmented by an impressive array of tall-growing, large-flowered newcomers.

The amateur should not overlook the primulinus type; which is rich in luminous oranges, and delightful salmon-pinks. The grace and delicacy of primulinus blossoms make them splendid subjects for bouquets. They are beautiful in mass plantings and because they reproduce so plentifully, they are inexpensive to buy, and the stock of bulbs multiplies rapidly from year to year.

Try glads in the garden picture this year; groups of the tall, large-flowered type, balanced at conspicuous points in the beds or border; and a mass planting of the primulinus, perhaps. You will never be without them once you know their charm. Plant them after April 1st (in Chicago's latitude) and continue planting for succession until June 15th.

Vaughan's Introductions of 1928

***Huron.** A White Gandavensis hybrid in which the grace and vigorous constitution of the Vaughan type are combined. The pure satin white of its petals is without marking except for the faint lavender penciling deep in the throat and the lower petals. The stamens are light lavender. The flowers are well placed, of which there are fifteen or more to the spike.

Each, \$2.00; doz., \$20.00

***Lansing.** Big Pink, strong, tall grower. Sixteen good size flowers to the spike. A white ground is overlaid with pale sulphur-yellow on two side petals, with tips of all petals tinted light flamingo pink. Backs of petals light flamingo on white ground.

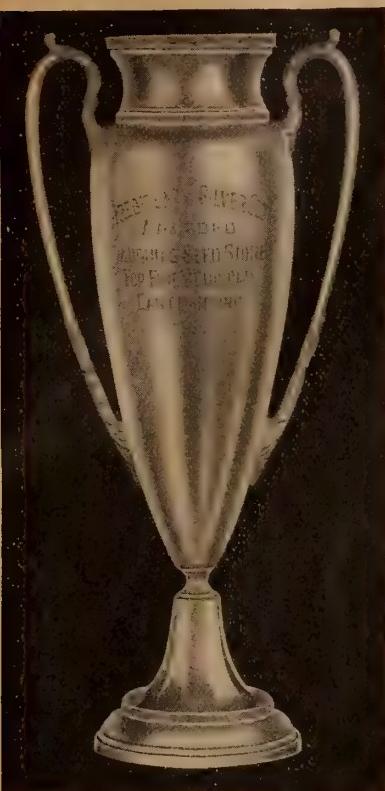
Each, \$1.00; doz., \$7.50

***Pinkprim.** A new variety of odd coloring. Light ash rose on upper petals. Edges of lower petals plum shade toning lighter to center with blotches of cream. A strong grower with eight flowers to the spike. Would make a good addition to any collection.

Each, \$1.00; doz., \$7.50

***Virginale.** A large flowered Primulinus hybrid of a wonderful salmon-pink tint which Ridgeway terms salmon-rose. Marked by white blotches at the lower petals and deep throat stippling of a color called by Ridgeway deep salmon-rose. Flowers well placed, averaging about ten to the spike. Four open at a time, measuring about $3\frac{1}{2}$ inches across.

Each, \$1.00; doz., \$7.50



At the 1927 show of the Michigan Gladiolus Society, the exhibits of Vaughan's Seed Store received the President's Silver Cup for the best display and also a silver cup from the Dept. of Horticulture, Michigan State College, for the best collection of Seedlings. Besides these we won 28 first prizes and 6 seconds, ribbons for which are illustrated.

Other Vaughan Gladioli Introductions

***Alma (414).** Phlox pink, 3 to 4 feet tall, blossoms in 90 days. Blossoms well placed on stems, face one way; seven to ten open at once. Twenty flowers on a typical spike. This color is popularly known as light lavender or orchid. Throat marking is darker, surrounded by a cream, which blends gradually into the general color. Each, 75c; doz., \$7.50; 100, \$50.00.

***Clara Adams (234).** Season 80 days. Light pink with a slight crimson marking in the throat. The flowers are very large, well open with 6 to 8 open at one time. Each, 20c; doz., \$2.00; per 100, \$15.00.

Illustrated on outside back cover.

***Dorothy Vaughan (242).** This is a very tall, medium early, color is a very faint apple-blossom pink. One of the finest seedlings shown at the Kalamazoo show in 1922. It's a winner. Each, \$1.00; doz., \$10.00; 100, \$75.00.

***Edith Mason (365).** On the inside back cover of this catalog we illustrate in color the new pink gladiolus, Edith Mason, one of our introductions of 1927. It is a beautiful, delicate, self-pink of the shade called by Ridgeway, geranium pink; inconspicuous throat markings of cream; 4 to 5 feet tall, blossoms in 90 days. Seventeen flowers on a typical spike, all face one way. The midrib of each petal is a light cream which blends with the throat. The petals have a tendency to roll back which gives the flower a very distinct and beautiful appearance. Each, \$2.00; doz., \$20.00; 100, \$150.00.

Illustrated in inside back cover.

***Elsie McCormick (467).** A beautiful rose-pink. Very strong, healthy grower, medium in height and holds a large number of blooms open at one time. Each, \$1.00; doz., \$10.00; 100, \$75.00.

Illustrated on inside back cover.

***Improved Martha Washington (132).** This is an improvement of our Martha Washington variety. It is a taller, stronger grower but of the same shade and markings. Each, \$1.50; doz., \$15.00.

***Improved Schwaben (395).** This is a Schwanen seedling, deeper yellow with very little markings in the throat. It has the habit of growth of the Schwaben. Each, 25c; doz., \$2.50; 100, \$18.00.

Illustrated on inside back cover.

***Ionia (323).** Season 80 days. This is a tall grower and carries a long spike of well placed beautiful flowers of an exceptional shade. The general color is a yellow, suffused with pink, which gives it an exceptionally delicate shade. Each, 25c; doz., \$2.50; 100, \$18.00.

Illustrated on outside back cover.

***Kalamazoo** Purple-violet with lines of creamy white running through each petal to the edge of the flower, and throat of creamy white. Flowers large, compact and well placed on a very strong spike. Season 80 days. Price, each, 25c; doz., \$2.50; 100, \$18.00.

Illustrated on outside back cover.

***Liliola.** A very distinct novelty and a decided break in Gladiolus. The habit is that of the Gladiolus, but the large star-shaped flowers studded around the flower stalks are very unique and resemble the Lily. Each, \$1.00; doz., \$10.00; 100, \$75.00.

***L. W. Wheeler (394).** Season 82 days. This variety is a very distinct shade of pink suffused with yellow, blending to a strong yellow toward the center blotch of crimson. The flower is medium size and rounding off well placed on the spike, which usually carries from 10 to 14 open at a time. Each, 40c; doz., \$3.50; 100, \$25.00.

Illustrated on inside back cover.

***Manistee (303).** Season from 90 to 95 days. This is a large ruffled pink. A very strong, vigorous grower with heavy foliage and strong, straight spikes. Flowers well placed and beautifully ruffed. Each, 75c; doz., \$7.50; 100, \$50.00.

***Martha Phillips (142).** This originated in 1913. Exact parentage unknown. Season 90 days. This is a dark solid red, florets medium size, many open at a time and well placed on the stem, producing a mass of solid dark red color. Each, 25c; doz., \$2.50; 100, \$18.00.

Illustrated on inside back cover.

***Mrs. L. S. Hubbard (344).** Season 68 days. Prim. Hybrid seedling of very distinct and exceptional color. It is early, prolific. Massed together in a bouquet the general appearance is a beautiful plum color. Each, 15c; doz., \$1.50; per 100, \$10.00.

Illustrated on inside back cover.

***Mrs. Julius Rosenwald (11).** Season 81 days. Color, wine-red, lightly flaked with a deeper red. Flowers very large and well placed on a tall, slender stalk. Each, 75c; doz., \$7.50; 100, \$50.00.

Illustrated on inside back cover.

***Mary H. Dick (490).** Season 75 days. A Prim. Hybrid. Slender, tall, straight spike with florets well placed. This variety is exceptionally fine for basket work. Each, 25c; doz., \$2.50; 100, \$18.00.

Illustrated on inside back cover.

***Ridinghood (337).** A real bright Red Primulinus Hybrid. Slender stems and a typical primulinus type. Very showy. Each, 25c; doz., \$2.50; 100, \$18.00.

***Sandusky (838).** (Primulinus.) The color is solidly but with a misty effect, producing a blend difficult to describe. The overtone color is classified by Ridgeway as Bordeaux. The flesh undertone dominates in the throat; there are scarlet markings on three lower petals. Tall and vigorous grower, blossoms face well, twelve on a spike, 5 open at once. Matures in 70 days. Each, \$1.00; doz., \$10.00; 100, \$75.00.

***Sovereign (2099).** Blossom a violet-purple with a very light mark in the center of the lower petal. The flower is large, the petals full and rounding and well opened up; the stalk is tall, strong and vigorous with heavy green foliage and the flowers well placed. Season medium to late. Each, 35c; doz., \$3.50; 100, \$25.00.

Illustrated on inside back cover.

***The Vamp (149).** Season 70 days. Flowers well placed on a tall, straight stem, 6 to 7 flowers open at one time. A delicate pink. On the three lower petals is a large blotch of velvety crimson surrounded with a creamy white halo producing a very beautiful effect. Each, 20c; doz., \$2.00; per 100, \$15.00.

Illustrated on outside back cover.

***Vaughan's White.** This splendid white, seen, is earlier and larger than Europa and as prolific as America. The bulbils germinate well. It is a thrifty and vigorous grower with a medium stalk and many well-placed flowers open at once. Flower is a good, clear white with no throat markings. Price, prepaid, each, 50c; per doz., \$5.00; 100, \$35.00.

Illustrated on outside back cover.

***Verdun (406).** The strong color called by Ridgeway, pansy-purple; on the edge of the petals is softened toward the center with a chalky overtone; producing a beautiful blend, the effect of which is heightened by the white throat and white blotch on the lower petals. Three to 4 feet tall, matures in 80 days, flowers well placed, face one way, 14 on a typical stem, four open at once. Each, \$1.00; doz., \$10.00; 100, \$75.00.

***White Pendleton (500).** This is a white sport of the well-known variety, Mrs. F. Pendleton. It is a pure white with a dark blotch in the throat which makes it very attractive. Each, 35c; doz., \$3.50; 100, \$25.00.

Illustrated on inside back cover.

Vaughan's Glorious Gladioli

RED SHADES

AMARYLLIS. Blood-red flower, giant size. Each, 75c; doz., \$7.50.

ATTRACTION. Deep crimson, with large white center. Each, 10c; doz., \$1.00; 100, \$7.00.

A. W. HUNT. Best orange red, large flowers. Price each, 25c; doz., \$2.50; 100, \$18.00.

BLACK PANSY. Rich, dark red Pansy-like throat. Each, 15c; doz., \$1.50; 100, \$10.00.

***CHICAGO SALMON.** Clear Salmon with carmine. Each, 15c; doz., \$1.35; 100, \$9.00.

CHAS. L. HUTCHINSON. The color of the flowers is a rich blood-red, the middle rib of each petal being a shade deeper with a velvety lustre. Free-flowering. Each, 75c; doz., \$7.50.

CHATEAU THIERRY. Bright scarlet red, with carmine stripe on creamy ground on lower petals. Enormous wide open flowers 5 to 6 inches. Fine spike. Price, each, 20c; doz., \$2.00; 100, \$15.00.

***CHICAGO RED.** Brilliant scarlet, large, opens well. Each, 15c; doz., \$1.35; 100, \$9.00.

CRESCENT QUEEN. Very large, dark wine-red. Each, 15c; doz., \$1.60; 100, \$11.00.

CRIMSON GLOW. A perfect, very large deep scarlet-crimson; flowers on a tall, strong spike. Each, 15c; doz., \$1.35; 100, \$9.00

DIANA. Clear, rich, mellow, blood-red grand spike of well placed flowers. Considered by many the best red to date. It has every good quality that goes to make a good gladiolus. Each, 50c; doz., \$5.00

DISTINCTION. Dark maroon, very tall spike. Price, each, 15c; doz., \$1.50, 100, \$10.00

DR. F. E. BENNETT. Peach-red, overlaid with flame-scarlet, throat stippled with ruby and white. A very large, attractive red with plenty of vigor. The flowers have good substance and good arrangement. This is one of those reds that stand out in a class by themselves. It is sure to be the one you will see if you go into the garden when it is in bloom. Each, 50c; doz., \$5.00; 100, \$35.00

DR R. T. JACKSON. Very deep, rich crimson-maroon. An unusual color and a variety that will be largely grown when better known. Each, 15c; doz., \$1.60; per 100, \$12.00.

EARLY SUNRISE. This is a very vigorous grower. Spikes grow from three to four feet high. Flowers extra large, bright salmon-scarlet color with pencil stripes of cream through center of each petal of the flower. It is extremely early, being in the same blooming period as Halley, but much larger flowers and spikes. Each, 15c; doz., \$1.60; 100, \$11.00.

FIERY KNIGHT. Pure vermilion. Fairly early and great favorite. Price, each, 20c, doz., \$2.00; 100, \$15.00

GOV. HANLY. Rich cardinal-red. Each, 15c; doz., \$1.35, 100, \$9.00.

HALLEY. Delicate salmon-pink, with a slight roseate tinge, the lower petals bear a creamy blotch with a stripe of bright red through the center. Each, 10c; doz., 75c; 100, \$5.00

HEINRICH KANZLEITER. A brilliant dark velvety blood-red, large flower, the best earliest flowering dark-red gladiolus (as early as "Halley"). An extra good variety. Each, 50c; doz., \$5.00.

HERBSTZAUBER. (Autumn fascination), the most wonderful copper-salmon color. Large flowers, fine spike, late flowering. Each, \$1.50; doz., \$15.00

ILLUMINATOR is a brilliant carmine-red, with a faint suffusion of blue adding to its richness. Practically self, such marking as is perceptible appearing as an intense French-purple blotch. Strong, tall, straight, healthy. Long flower spike, with many buds perfectly placed. Flowers large to very large, and many open. Each, 35c; doz., \$3.50; 100, \$25.00.

JACK LONDON. Light salmon with vermilion stripes. Canary-yellow throat with ruby stripes. Each, 15c; doz., \$1.60; 100, \$12.00.

JEAN BART. Large spike; large, well opened, rounded flowers of a bright crimson, red. Ivory white blotch. Price, each, 50c; doz., \$5.00.

JOE COLEMAN. Large, rich red. Each, 15c; doz., \$1.25; 100, \$8.00

LUSTRE. Dark orange-vermilion. Each, 15c; doz., \$1.50, 100, \$10.00

MERCEDES. Carmine-rose and pale rosy white, with a very effective red blotch on lower petals. Each, 50c; doz., \$5.00.

***MRS. FRANCIS KING.** Brilliant vermilion-scarlet. Most popular and effective variety for all occasions. Large size. Each, 10c; doz., 90c; 100, \$6.00. Medium size, 60c; 100, \$4.00.

Illustrated on inside front cover.

MRS. W. E. FRYER. New, bright scarlet. Each, 15c, doz., \$1.35; 100, \$9.00.

*This mark indicates the variety was first introduced by Vaughan's Seed Store.

The price for single bulbs and by the doz. as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.

RED SHADES—Continued

MRS. WATT. Glowing American Beauty shade of red. Each, 15c; doz., \$1.25; 100, \$8.00.

***PRINCEPS.** Brilliant scarlet-crimson, carrying mostly three white blotches on lower petals. Each, 20c; doz., \$2.00; 100, \$15.00.

PRINCEPINÉ. Beautiful red with large white blotch. Each, 10c; doz., 90c; 100, \$6.00.

***PONTIAC—PRINCEPS.** Giant Seedling of Princeps. Considerably lighter red. Very large flower with Princeps throat markings. Petals slightly striped with deep vermilion stalk as strong as Schwaben and a taller grower than King. Price, prepaid each, 15c; doz., \$1.50; 100, \$10.00.

PYTHIA. Large red with many blooms open at one time. Very showy. Price, each, 25c; doz., \$2.50; 100, \$18.00.

PRIDE OF HILLEGOM. Light scarlet red, wonderful spike. Price, each, 25c; doz., \$2.50; 100, \$18.00.

RED STAR. For color description we are closest to reality when we state. "Dazzling blood-red." A quantity of blooms dazzles the eye. Each, 35c; doz., \$3.50; 100, \$25.00.

SCARLET WONDER. This is without doubt the most beautiful scarlet variety yet introduced. Plant four to five feet high, with broad, stalky, dark green foliage, and compact truss of great rich velvety scarlet, fiery crimson flowers. Each, 25c; doz., \$2.50; 100, \$18.00.

SCARLANO. Light, bright orange-red. Fine spike and flower, finely ruffled. Each, 15c; doz., \$1.25; 100, \$8.00.

SCARLET PRINCEPS. Six or more massive Princeps-like blossoms open at one time, throat a little deeper. Very fine variety. Each, 15c; doz., \$1.25; 100, \$8.00.

SCARLET GLORY. Ruffled, fine red. Each, 20c; doz., \$2.00; 100, \$15.00.

SHIELA. Light coral-red, fading to flesh-pink in throat, with primrose blotch on lower petals, penciled with pomegranate-purple. Form good, with plenty of vigor. An exceptionally good early variety. Each, 25c; doz., \$2.50, per 100, \$18.00.

SIR ROGER CASEMENT. Ox-blood red, heavily ruffled. Dark maroon stripe through the center of the lip. Of extremely velvety texture. Each, 35c; doz., \$3.50; 100, \$25.00

VIRGINIA (See Scarlet Princeps).

WAR. Deep blood-red, shaded crimson-black. A leader among the large reds. Each, 15c; doz., \$1.50; 100, \$10.00.

Illustrated on inside front cover.

PINK SHADES

AMERICA. Soft lavender-pink. Large bulbs. Doz., 75c; 100, \$5.00. Medium bulbs. All good bloomers. Doz. 60c; 100, \$4.00

ARIZONA. Light pink, dark throat. Each, 10c; doz., \$1.00; 100, \$7.00.

BREAK O'DAY. Immense pink blossoms with soft creamy yellow blotches on the lower petals. Don't fail to include this one in your collection. Price, each, 75c; doz., \$7.50.

BYRON L. SMITH. Beautiful lavender-pink on white ground, an orchid shade. Each, 15c; doz., \$1.60, 100, \$11.00

DAWN. Salmon shading to claret stain in throat. Each, 20c; doz., \$2.00; 100, \$15.00.

***DETROIT.** A giant flower with orchid colorings. Fully developed flowers measure 5 inches across. The color is a light pink with deeper pencilings of light crimson on the inside and outside of the upper petals, and with carmine splashes overlying sulphur on the center third of the lower petals. The flower spike is long with 13 flowers to the spike. Each, 35c; doz., \$3.50; 100, \$25.00.

Illustrated on outside back cover.

DR. HAN FITZNER. Wonderful soft pink. Each, 35c; doz., \$3.50; 100, \$25.00.

DR. W. VAN FLEET. Magnificent shade of delicate rose pink, deeper at edges. Throat of soft creamy yellow. Price, each, 15c; doz., \$1.50; 100, \$10.00.

DEUTCHLAND. This is a seedling of America, but far surpasses this type. Color is a wonderful pink, with fiery crimson blotch. The spikes are very large, borne on tall, slim but wiry stalks, presenting a much more elegant appearance than America. It is of strong, healthy growth and a wonderful propagator. Each, 15c; doz., \$1.50, 100, \$10.00.

EVELYN KIRTLAND. A beautiful shade of rosy pink, darker at the edges, fading to shell-pink at the center, with brilliant scarlet blotches on lower petals; the entire flower showing a glistening, sparkling lustre. Very tall spike. Each, 10c; doz., \$1.00; 100, \$7.00.

PINK SHADES—Continued

ELIZABETH TABOR. Petals are delicate rosy pink on white ground, lower ones bearing a rich dark crimson blotch which terminates in a diamond of soft yellow. Grows tall, but rarely has a crooked stalk. Flower spike very long, with a number of flowers open at once, gracefully placed. Extremely early. Each, 25c; doz., \$2.50; 100, \$18.00.

FAY LAMPIER. Large flowers with coral lustre and cerise blending. Flowers well distributed on its graceful spike rendering it very useful for artistic vase arrangement. Price, each, 35c; doz., \$3.50; 100, \$25.00.

E. J. SHAYLOR. Tall, beautiful, pure deep rose-pink. Each, 10c; doz., \$1.00; 100, \$7.00.

GLORY OF KENNEMERLAND. Comparatively new and uncommon. Growing rapidly in favor as it becomes known. It is a very rich, deep rose, with golden yellow blotch and throat. Flower very large, of wide-open bell-shape, with rounded petals. Each, 15c; doz., \$1.25; 100, \$8.00.

GRETCHEN ZANG. Pink, blending into scarlet on lower petals. Each, 10c; doz., \$1.00; 100, \$7.00.

GIANT NYMPH. La France-pink; with creamy yellow throat; very large, wide-open flowers, long spikes and flowers well arranged on the stem. This is without question one of the very best recent introductions. If it is not in your collection, buy it. Each, 15c; doz., \$1.60, 100, \$12.00

JENNY LIND. Shrimp pink shading to Geranium, pink at tip. Spike compact and flowers ruffled. Price, each, 25c; doz., \$2.50; 100, \$18.00.

LONGFELLOW. Flowers of La France-pink on a tall, wiry stem. Each, 75c; doz., \$7.50.

LE MARECHAL FOCH. Rose-pink, resembling America in color but deeper. Blooms same time as the Halley. Each, 10c; doz., 70c; 100, \$4.50.

LOS ANGELES. Shrimp pink with orange-carmine throat. The color tone is one of unusual delicacy and so pleasing as to be greatly admired. It is a favorite cut flower among the Hollywood motion picture stars. A wonderful florist's flower of individuality and distinction. Each, 35c; doz., \$3.50; 100, \$25.00.

MRS. WM. E. CLARK. A fine salmon-pink with bright crimson blotch; has a perfect long spike. Good propagator. Received a Certificate of Merit from the American Gladiolus Society. Each, 25c; doz., \$2.50; per 100, \$18.00.

***MARY ALICE.** (2022.) Color, rose-pink, the throat marking of a lavender-mauve, a light streak running through the center of each petal. anthers lavender, flowers large, well open with petals slightly reflex. The stalk is very tall, strong and straight. Flowers well placed and 6 to 8 open at one time. Each, 15c; doz., \$1.60, 100, \$11.00.

Illustrated on outside back cover.

MONA LISA. Ruffled, palest soft rose-pink. Each, 15c; doz., \$1.35; 100, \$10.00.

MRS. FRANK PENDLETON. Flushed salmon-pink, with rich maroon blotch on the three lower petals. The most popular flower in florists' shops. Each, 10c; doz., \$1.00; 100, \$7.00.

Illustrated on inside front cover.

MYRTLE. Tender and delicate rose-pink. "The most beautiful pink yet produced in Gladiolus." Each, 10c; doz., \$1.00, 100, \$7.00.

MRS. H. E. BOTHIN. Light geranium pink, heavily ruffled. Flamed scarlet center. Strong, well built spikes; first-class show and cut-flower variety. One of the loveliest combinations in Gladioli. It has created a sensation wherever produced. Each, 15c, doz., \$1.50, per 100, \$10.00.

MYSTIC. Very early, pink. Each, 10c, doz., \$1.00; 100, \$7.00.

ODIN. Salmon with dark blotch, large flowers. Very fine variety. You will like it in your collection. Each, 15c; doz., \$1.25; 100, \$8.00

PANAMA. An improved America, largest and most notable spike of bloom among all pink sorts. Each, 10c; doz., \$1.00; 100, \$7.00.

Illustrated on inside front cover.

PEACH ROSE. An extra choice and distinct deep rose-pink of remarkable color and appearance. Was awarded First-class Certificate of Merit by Mass. Hort. Society, Summer 1919. Each, 25c; doz., \$2.50; per 100, \$18.00.

PINK LILY. Ruffled, delicate pink. Each, 15c; doz., \$1.50, 100, \$10.00.

PRINCE OF WALES. The flowers are large and well placed and the color is a most charming coral-pink. It is a sport of Halley, but larger and of taller growth and also somewhat earlier. The delicate tint is practically without throat markings. Each, 10c, doz., \$1.00, 100, \$7.00.

Vaughan's Seed Store, Chicago and New York

For prepayment to further zones, add 5c doz.

Vaughan's Glorious Gladioli

PINK SHADES—Continued

PINK PERFECTION. Delicate appleblossom pink. Each, 15c; doz., \$1.60; 100, \$12.00.

REMEMBRANCE. Ruffled flowers of Geranium pink shading to rose pink, throat blotted purple. Price, each, 35c; doz., \$3.50; 100, \$25.00.

ROMANCE. Large orange-salmon with red and yellow throat. Very showy. Price, each, 50c; doz., \$5.00.

ROSE GLORY. Ruffled, rose-pink. Each, 15c; doz., \$1.50; 100, \$10.00.

ROSEMARY. Wonderful new gladiolus. White, thickly marked with fine parallel hair-lines and stipplings of lavender-rose, which become pure pink under artificial light. No colored picture could possibly do it justice. You should have this one in your collection. Each, \$1.00; doz., \$10.00.

RUFFLED GLORY. Salmon-pink, with crimson stripe in the center of each lower petal. The broadly expanded, wide-open flowers are carried on straight, stout 3½-foot stalks. Each petal is exquisitely ruffled. Each, 15c; doz., \$1.50; 100, \$10.00.

1910 ROSE. Very large flower, pure rose-pink of extra fine shade. Narrow white central line on lower petals. Each, 10c; doz., 90c; 100, \$6.00.

***SHIAWASSEE (177).** This seedling showed up so well in our trial grounds and being very prolific we marked same worth naming. Color, very fine pink, prolific and strong grower. Holds open many well placed flowers at one time. Each, 15c; doz., \$1.50; 100, \$10.00.

TYCKO ZANG. Clear salmon-pink, white throat faintly dotted with deep cerise. Blooms well placed on a straight spike. A wonderful new variety which should be in every collection. Each, 50c; doz., \$5.00.

UNIQUE. Tall, large, finest salmon-pink. Each, 20c; doz., \$2.00; 100, \$15.00.

WILBRINK. Sport of Halley. It retains the earliness of that variety, but has a delicate pale pink color, somewhat similar to "America." Each, 10c; doz., 90c; 100, \$6.00.

W. H. PHIPPS. LaFrance-pink overlaid with light rose-salmon, lighter toward the center. Lower petals very faintly striped and speckled with ruby. Flowers enormous. A masterpiece in Gladioli. Each, 75c; doz., \$7.50.

WHITE VARIETIES

ALBANIA. The color is of purest glistening white, the flower wide open, four inches and over in diameter; petals are broad, with well-rounded tips, and the finely ruffled edges of the petals give to the individual flower an artistic finish such as is seldom seen in the Gladiolus. Price, each, 25c; doz., \$2.50; 100, \$18.00.

BERTRAX. Pure white flowers of good substance. Each, 10c; doz., \$1.00; 100, \$7.00.

***CHICAGO WHITE.** White, lavender markings in throat. Each, 10c; doz., 75c; 100, \$5.00.

CARMEN SYLVA. One of the best of the white varieties. A pure white except for slight violet markings deep in the throat. Tall, slender stem always straight, flowers well arranged on the spike. Many open. Each, 15c; doz., \$1.50; per 100, \$10.00.

EUROPA. A large, pure white, much substance; will crowd out all other whites. Each, 35c; doz., \$3.50; 100, \$25.00.

Illustrated on inside front cover.

FERN KYLE. A large ruffled flower of creamy white color. Vigorous grower. Creates a sensation wherever shown. Introduced at \$25.00 per bulb. Each, \$1.00; per doz., \$10.00.

HENRY C. GOEHL. Flowers large and well opened, with broad segments of solid white slightly flushed pink. A deep crimson blotch on the lower segments. Spike is good with well-placed flowers, and five to seven open at one time. Each, 35c; doz., \$3.50; 100, \$25.00.

JANE DIEULAFOY. Creamy white, lower petals stained maroon. Each, 15c; doz., \$1.50; 100, \$10.00.

LA BEAUTE. A very good white. Each, 35c; doz., \$3.50; 100, \$25.00.

L'IMMACULEE. Pure white. Each, 15c; doz., \$1.35; 100, \$9.00.

LENE GRAETZ. A white Gladiolus of first rank, stalks tall, slim and wiry, flowers large, wide open and well placed. This is a very productive variety; also a very strong grower and has magnificent dark foliage. Each 15c; doz., \$1.25; 100, \$8.00.

LORELY. Is a large pure creamy white, wide open flowers, rounding petals and flowers well placed on the stem. Each, 35c; doz., \$3.50; 100, \$25.00.

MARY PICKFORD. Creamy white, throat soft sulphur-yellow. Each, 15c; doz., \$1.50; 100, \$10.00.

*This mark indicates the variety was first introduced by Vaughan's Seed Store, Chicago and New York
The price for single bulbs and by the doz. as above, include free parcel post delivery through 5th zone For prepayment to further zones, add 5¢ doz

WHITE VARIETIES—Continued

MISS HELEN FRANKLIN. Ruffled type, a good white with violet markings on the lower petals, vigorous tall spike with from six to ten flowers open at one time. Each, 15c; doz., \$1.35; 100, \$9.00.

***MRS. W. S. BREWSTER.** White overlaid blush; blotted brilliant red, with a creamy halo. Each, 30c; doz., \$2.75; 100, \$20.00.

MRS. DR. NORTON. Pure, soft white, with tips of petals suffused La France Pink. Wonderful variety. Each, 15c; doz., \$1.50, 100, \$10.00.

PEACE. Very large, nearly white, with pale violet feathering on lower petals; flowers correctly placed on a tall, graceful spike. Each, 10c; doz., 60c; 100, \$4.00.

PUREST OF ALL. A pure white variety with an excellent spike and large flowers. Each, \$1.00, doz., \$10.00.

WHITE CITY. Pure white. Large flowers on very tall stem. Price, each, 10c; doz., \$1.00; 100, \$7.00.

WHITE EMBLEM. Pure white with long narrow petals. Each, 20c; doz., \$2.00; per 100, \$15.00.

WHITE PERFECTION—Absolutely pure white. Its flower has the form and size of "Pink Perfect," but its stems are straight. Elegant appearance. Each, 30c; doz., \$2.75; per 100, \$20.00.

YELLOW SHADES

FLORA. Beautiful canary-yellow, with scarcely any markings. Considered the best yellow. Each, 15c; doz., \$1.35; 100, \$9.00.

GOLD. Pure golden yellow, throat a shade deeper, slightly dotted and streaked, almost self-color. Large flowers, many open at one time and perfectly placed. A grand variety. Each, 20c; doz., \$2.00; 100, \$15.00.

GOLDEN MEASURE. Very large, dark golden yellow; the best in the yellows. Each, 20c; doz., \$2.00; 100, \$15.00.

JOHN ALDEN. Light yellow with scarlet blotch. Very early. Has a good stem; fine for cutting. One quarter Primulinus hybrid. A good pleasing variety. Price, each, 35c; doz., \$3.50; 100, \$25.00.

MISS T. ROSE. Creamy yellowish pink; in color very much like a tea rose. Graceful spike; an exquisite variety. Each, 35c; doz., \$3.50; 100, \$25.00.

NIAGARA. A delightful cream shade, blending to canary-yellow, splashed with carmine. Each, 15c; doz., \$1.35; 100, \$9.00.

ORANGE GLORY. Bright orange, with slight purple and white markings in throat. Each, 15c; doz., \$1.60; 100, \$12.00.

SCHWABEN. Clear canary-yellow, shading to soft sulphur. Largest flower stalk and leaves of all. Planted 7 or 8 inches apart in rich soil produces wonderful blooms. Each, 10c; doz., 75c; 100, \$5.00.

Illustrated on inside front cover.

BLUE SHADES

ANNA EBERIUS. Dark velvety purple, throat deeper. Each, 10c; doz., \$1.00; 100, \$7.00.

***ANNIE MAY (44).** Season 100 days. A beautiful lilac shade with pure white throat, enormous spike sometimes growing 5 feet tall. A beautiful giant lavender-carmine. Each, \$1.00; doz., \$10.00.

BARON J. HULOT. The leading purple variety. Each, 15c; doz., \$1.25; 100, \$8.00.

Illustrated on inside front cover.

CAPTAIN BOYNTON. One of the nicest lavender colors in existence, with little darker spot on lower petals. Large flowers well placed on stems. Each, 40c; doz., \$4.50; 100, \$35.00.

DESDEMONE. Ashy rose striped lilac; large dark red blotch, edged ivory-white. Immense spike of very large double-row flowers, well placed. Each, 50c; doz., \$5.00; 100, \$40.00.

DUCHESS OF YORK. Seedling of Hulot. Much larger flowers of purple-blue on erect stems. Price, each, 35c; doz., \$3.50; 100, \$25.00.

FLORENCE. Bright lilac, white blotch on lower petals. Notably tall spike with many flowers; the best lilac. Each, 20c; doz., \$2.00; 100, \$15.00.

HERADA. Blooms of immense size on tall, straight spikes. The large blooms are pure mauve, glistening and clear, with deeper markings in throat. Each, 10c; doz., \$1.00; 100, \$7.00.

IRIS. Flowers of a very curious slate blue color, slightly flamed with red; small white blotch, spotted with carmine-red. Each, \$1.50; doz., \$15.00.

LAVENDER PRINCESS. One of the finest light lavenders. Price, each, 35c; doz., \$3.50; 100, \$25.00.

BLUE SHADES—Continued

LOUISE. Beautiful lavender. Each, 15c; doz., \$1.25; 100, \$8.00.

MARY FENNELL. Deep lilac, shading paler. Soft primrose-yellow throat. Each, 15c; doz., \$1.35; 100, \$9.00.

MRS. FREDERICK C. PETERS. Beautiful shade of rose-lilac, with crimson blotch bordered white on lower segment; resembling an orchid in color. Flowers of large size and many open at one time on a strong stem. Healthy plant with good green foliage. Each, 25c; doz., \$2.50, 100, \$18.00.

MR. MARK. Lobelia-violet suffused Saccardo's violet; throat barium-yellow with a blotch of amaranth-purple. This is one of the best of those commonly known as light blue varieties. Very popular as a cut-flower variety. Each, 15c; doz., \$1.35; 100, \$9.00.

***MRS. H. A. CAESAR.** The length of spike is about the same, but it produces more buds, frequently showing five to eight open flowers, well placed on the spike. The color is a beautiful lavender shading to lilac with yellow dash in the lower petals. Price, prepaid each, 15c; doz., \$1.50; 100, \$10.00.

PURPLE GLORY. Ruffled, velvety maroon-red, black blotches. Each, 25c; doz., \$2.50; per 100, \$18.00.

PURPLE SPOT. Violet-red. Each, 15c; doz., \$1.60, 100, \$12.00.

ROSE ASH. (Ashes of Roses) A new color in gladioli. A wonderfully vigorous grower. Each, 15c; doz., \$1.35; 100, \$9.00.

ROSS VALLEY. Mouse color, very odd shade. Each, 25c; doz., \$2.50, 100, \$18.00.

SPHINX. Lilac-red flowers, purple-red blotch. Each, 15c; doz., \$1.60; 100, \$12.00.

VIOLET GLORY. Massive flower. Rich self-color, deep violet; deeper throat. Medium ruffled. Each, 25c; doz., \$2.50; per 100, \$18.00.

PRIMULINUS TYPE

ALICE TIPLADY. Orange-saffron. Each, 10c; doz., \$1.00; 100, \$7.00.

DOROTHY WHEELER. Beautiful rose pink, very attractive. Price, each, 15c; doz., \$1.35; 100, \$9.00.

MAIDEN BLUSH. An exquisite pink with lighter throat. Very dainty flower on graceful spike. Each, 10c; doz., 75c; 100, \$5.00.

***MARY VIRGINIA.** The bulbs increase rapidly and grow very large, throwing flower spikes 3 and 4 feet in length. The color of the flower is a delicate cream yellow. The upper petals suffused with peach-blossom pink. The shading is exquisite. Price, each 25c; doz., \$2.50; per 100, \$18.00.

ORANGE QUEEN. Apricot-orange. This quite new shade without any competition and the excellent substance of this variety bought every one who has seen it. Each 20c; doz., \$2.00; per 100, \$15.00.

Illustrated on outside back cover.

ROSE LUISANTE. Light pink with softer shade in center, well arranged flowers. Price, each, 15c; doz., \$1.25; 100, \$8.00.

SALMON BEAUTY. Very large flowered Primulinus. Deep salmon, rich salmon-yellow throat. Each, 15c; doz., \$1.50; per 100, \$10.00.

***SUNBEAM.** The graceful form of the Primulinus type insures its popularity in the Decorative Class. Color, clear yellow, long slender spike. Each, 15c; doz., \$1.25; per 100, \$8.00.

SOUVENIR. One of the best yellow Prims. Large flowers of purest color. Each, 15c; doz., \$1.35; 100, \$9.00.

HYBRIDS (mixed). The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and shape of the flowers they are ideal for vases. Each, 10c; doz., 75c; 100, \$5.00.

GLADIOLI IN MANY COLORS

These bulbs here quoted in color shades are made from choice named varieties.

Blue Shades. Doz., \$1.35; 100, \$9.00.

Pink. Doz., 75c; 100, \$5.00.

Scarlet and red. Doz., 75c; 100, \$5.00.

Striped shades. Doz., 90c; 100, \$6.00.

White and light. Doz., 75c; 100, \$5.00.

Yellow shades. Doz., \$1.00; 100, \$7.00.

Chicago and New York

Miscellaneous Spring Bulbs

Bulbs Shipped Separately from Seeds

Amaryllis, Giant Flowered



AMARYLLIS

Anemone (Windflower)

Soak bulbs in water 24 hours before planting. The variety offered below are charming hardy flowers. They are suitable for pot or border culture and, when planted in masses, are most effective. They succeed best in a light, rich, well-drained loam. Plant as soon as the ground can be worked in the spring. **Special Mixed.** Doz., \$1.00; 100, \$6.00.

Caladium Esculentum

(*Colocasia Antiquorum* *Esculenta*)

Elephant's Ear—One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.

Price, 3 for 25c, prepaid; doz., 90c; 25 for \$1.50, not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.

Price, 3 for 35c, prepaid; doz., \$1.35; 25 for \$2.25, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.

Price, 3 for 60c, prepaid; doz., \$2.25; 25 for \$3.75, not prepaid.

Mammoth Size—12-inch and up circumference. Mailing weight, 17 lbs. per doz.

Price, each, 50c; 3 for \$1.25, prepaid; doz., \$4.25; 25 for \$7.75, not prepaid.

Cinnamon Vine

(*Dioscorea Batatas*)

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.

Price, Small Roots, 2 for 15c; doz., 80c, prepaid.

Large Roots, each, 15c; 3 for 35c; doz., \$1.25; 25 for \$2.00, prepaid.

Gloxinias

These showy plants are easily grown in pots for summer or winter blooming. They make a glorious display and bloom for a long time. Plant the bulbs in small individual pots. The soil best suited should contain plenty of leafmold, some sand, and well-rotted manure. Place the pots in a warm window and keep moderately moist, but do not water to excess. When the roots become crowded in the first pot, the plants should be transplanted into larger ones. Protect against direct strong sunlight. Just before the plants come into bloom an application of very weak liquid manure is of great benefit.

Price, each 50c; 3 for \$1.35; doz. \$5.00, prepaid.

Hyacinthus Candicans

(*Galtonias*)

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.

Price, First Size, each, 15c; doz., \$1.50, prepaid; Mammoth Size, each, 20c; doz., \$2.00, prepaid.

} Due to weather conditions during January, February and early March we prefer to send out Bulbs after March 20th unless it is our customers located in the South or California. To those customers we will ship at once packed against freezing. To insure the best results from Bulbs, customers should open the package upon arrival and in case Bulbs can not be planted at once they should be placed in a dry and frostproof cellar.

Golden Yellow Calla Lily



CALLA LILY

Mexican Morning Glory

Ipomoea Digitata (Paniculata)—The vine grows 25 feet long and the leaves are 10 inches apart with a cluster of pinkish lavender flowers at each leaf. New flowers open daily, it is a rare, new and interesting bulb. Keep roots in winter like dahlias.

Price, First Size, each, 50c; doz., \$5.00, prepaid.

Ismene Calathina

(*Hymenocallis*)

Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy.

Price, each, 30c; doz., \$3.00, prepaid.

Madeira Vine

(*Boussingaultia Baselloides*)

One of the best and most popular climbers for foliage effect. Increases very rapidly. Price, each, 10c; 3 for 25c; doz., 90c; 25 for \$1.75, prepaid.

Montbretias

Mixed Montbretias are easily grown and their graceful flower-stems add much to any garden. They are also highly valued for cut flowers and can be grown in flower-pots in the house. Montbretia bulbs are quite hardy and should be planted early in the spring, choosing a warm, sunny location. A sandy loam with good drainage, to which has been added some well-rotted stable manure, will give the finest flowers. When the plants come into flower, plenty of water should be given to help the free development of the flower-spikes. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.

Special Mixed. Price, each 15c; 3 for 40c; doz. \$1.40.



GLOXINIA



LILUM Auratum

Oxalis

Summer Flowering—These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous bloom. The colors we can supply are white, red, pink.

Price, either color, doz., 30c; 25 for 50c; 100 for \$1.75, prepaid.

Ranunculus (Buttercup)

Soak bulbs 24 hours in water before planting. Nothing produces a brighter or more gorgeous effect in June and July than beds of Ranunculus. The flowers are all good for cutting, and the culture is very simple. They thrive in any ordinary garden soil. Plant outside latter end of March or early April, as soon as frost is out of the ground, or early in the hot-bed if desired for early cutting. Set the tubers 3 or 4 inches apart, pressing them firmly into the soil, claws downward, and cover them with sand, then with soil; keep the crown of the tubers two inches under the surface. During dry weather the plants should be given abundance of water.

French Mixed. Per doz., 80c; 100, \$5.50; 1000, \$50.00.

Tuberoses, Double and Single

(*Polianthes Tuberosa*.)

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in warm place in pots, and end of May moved to open ground, can be flowered much earlier.

Excelsior Dwarf Pearl

Our Excelsior Dwarf Pearl is a special selection, made for many years, of the most dwarf double and full flowered.

Mammoth Bulbs—Each, 20c; 3 for 55c; doz., \$2.00; 25 for \$3.75, prepaid.

First Size—Each, 10c; doz., \$1.00; 25 for \$1.75, prepaid.

Second Size—Price, each, 5c; doz., 50c; 25 for 90c, prepaid.

Armstrong's Ever-Blooming—This variety blooms year after year and has a fragrance similar to the "Jasmine."

Price, each, 10c; doz., 75c; 25 for \$1.40, prepaid.

Silver-Leaved—An early single flower, with striped leaves.

Price, each, 10c; doz., 75c; 25 for \$1.40, prepaid.

Albino—Branching single variety, early and very free flowering.

Price, each, 10c; doz., 75c; 25 for \$1.40, prepaid.

Mexican Tuberose

These come from the high table land of Central Mexico. They have tall, stiff stems, flowers pure white, single true tuberose fragrance.

Price, each, 5c; doz., 50c; 25 for \$1.00, prepaid.

Tigridia

(Shell-flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. Blooms from middle of July to September.

Mixed. Price, each 25c; 3 for 70c; doz. \$2.50.

**Zephyranthus { Fairy Lily
Zephyr Lily}**

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida—Pure white and the most profuse bloomer of all.

Price, each, 10c; doz., \$1.00; 25 for \$1.75, prepaid.

Rosea—Beautiful clear rose, flowers large and very handsome.

Price, each, 20c; doz., \$2.00; 25 for \$3.75, prepaid.

LILY BULBS

Outdoor Culture—When planting Lilies out-of-doors, see that they have a well drained position, and where they will be shaded from very hot sun.

Spade over the ground thoroughly to a depth of 8 inches before planting Lilies and enrich it by adding equal portions of leafmold, peat and rotten manure. Plant the bulbs 4 to 6 inches deep, putting some sand under and around the bulbs.

For leaflet "Indoor Lily Culture," write us.

LILY BULBS BY PARCEL POST—For postage zone rates see page 120.

Approximate weights: 8 to 9-inch, doz., 4 to 5 lbs.; 9 to 11-inch, doz., 6 to 7 lbs.; 11 to 12-inch, doz., 9 to 10 lbs.

Lilium Myriophyllum or Regale

A magnificent new lily from China, vigorous, 3 to 5 feet high, bearing one to several handsome white fragrant flowers; slightly shaded pink outside and the lower inner surface primrose-yellow. It is a hardy lily and is one of the finest novelties offered in many years. It seems to thrive on any good, well-drained soil. It has been obtained in limited quantities for several years and is now grown from seed, from bulblets and bulb scales.

Bulbs—4-inch. Each, 60c, prepaid; 3 for \$1.70; doz., \$6.50, prepaid.

Bulbs—6-inch. Each, \$1.00; 3 for \$2.75, prepaid.

Lilium Auratum

The Gold Banded Lily of Japan

First Size—(8 to 9 inches) each, 50c, prepaid; 3 bulbs for \$1.35; doz., \$5.00, prepaid.

Mammoth—(9 to 11 inches) each, 75c, prepaid; 3 for \$2.00; doz., \$7.50, prepaid.

Jumbo—(11 to 12 inches) each, \$1.00, prepaid; 3 for \$2.75, prepaid.

Auratum Platypyllyum

Improved Lilium Auratum

First Size—(8 to 9 inches) each, 60c, 3 for \$1.70 prepaid; doz., \$6.50, prepaid.

Mammoth—(9 to 11 inches) each, \$1.00; 3 for \$2.75, prepaid; doz., \$10.00, prepaid.

Rubrum Magnificum—Spotted purple-red with Pre-white edges. Most satisfactory of the Speciosum paid, class.

First Size. (8 to 9 inches) \$0.40

Mammoth. (9 to 11 inches)60

Jumbo. (11 to 12 inches) 1.00

Pre-paid,
3 for
Doz.,
Pre-paid.

Various Hardy Lilies

Canadense (Meadow Lily)—Gracefully drooping bell-shaped, red and yellow flowers..... 25 .70 2.50

Henryi—A rare and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown..... 75 2.00 7.50

Pardalinum—(Leopard Lily). Rich scarlet and yellow, spotted rich brown..... 30 .80 3.00

Superbum—The finest of the native lilies. Flowers bright orange, spotted purple..... 25 .70 2.50

Tigrinum Splendens—Very hardy native lily; orange, spotted purple..... 25 .70 2.50

Tigrinum Flore Pleno—The well-known double Tiger Lily. Rich orange, 4 feet..... 25 .70 2.50

Umbellatum Mixed—Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot..... 30 .80 3.00

Lily of the Valley (Convallaria Majalis)

Large Clumps—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost.

Price, each, 65c, prepaid; 3 for \$1.75, prepaid.



LILLIUM Regale



AMUN RA OR THE SUN-GOD

Vaughan's Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply Pot-Grown Plants of the newer varieties and strong tubers of proper planting size as marked preceding the list of varieties. Pot plants we do not advise planting before May 15th. With good care and soil the pot plants make a good growth, brighter colored flowers and larger blooms. Please state if you want a substitute, should our supply of any variety become exhausted.

THE ART OF GROWING DAHLIAS

DAHLIAS will grow almost anywhere. But in some sections there are special adverse conditions which must be overcome. The tuber that is planted grows and multiplies underground to the same extent that the plant grows above. Therefore, if the ground it is planted in is not of such character or "friability" that will grow potatoes, beets or any other root crop, it stands to reason that it is not suited to dahlias.

The dahlia is a voracious feeder which means that it must have room and food, and should not be planted near trees or shrubs that send their roots out for great distances. The dahlia stem is similar in character to the hollyhock and sunflower stalks excepting that the dahlia is filled with water. Too much water during its growing season will tend to produce a wealth of foliage and little or no blossoms. It also will cause the tuber to send up several small shoots or sprouts which take from the strength of the main stalk and lessen the chances of bloom.

An enthusiastic dahlia fan, who grows dahlias for pleasure and has rather remarkable success growing them in the soil of the well-known North Shore district of Chicago follows this program:

In the fall, just prior to the time the ground freezes, spade up the space allotted for the dahlias. In the spring a good heavy covering of well rotted manure to the depth of 6 inches is spread over the surface and is spaded in. When the plot is smoothed over it is then measured out. Four feet apart each way (five would be better if there is room), seven-foot stakes of material, two inches square, are driven into the ground one foot. Labels corresponding to the names of the dahlias are next tacked on the stakes at the top for later identification. Then the tubers are planted directly in front of the stakes, and covered with at least five inches of soil. Next a fifty-pound sack of sheep manure is raked over the 200 square

feet of surface and watered enough to lay it.

An important point is the time of planting. Tubers are not planted until the ground is warm and dry, usually May 15th on the North Shore near Chicago. Tubers rot quickly in cold, wet soil.

Dahlia plants, now so widely used, are set out later than the tubers, and planted deeper than it is customary to set perennial plants.

Depending now upon the weather the sprouts will start to show in from ten days to three weeks. Pinch off all but one the same as you would do with a tomato plant and keep on pinching off all but the one sprout. As soon as this has reached a height of eighteen inches or two feet tie it to the stake, it is tender and brittle and will easily snap off. Do not use ordinary string for tying as it cuts into the stem and if it cuts far enough will let the water content out and the plant is done for. (¾ tape is good.)

Sid. branches may now be allowed to grow, but not too many—one on each side will be plenty. Aside from what water the plant will get from rain it should not be watered until the buds start to form, then from one to two pails of water daily is needed.

The buds are thrown out much as the branches of the plant and need some pinching off. One main flower bud will have from two to four side buds which should be pinched off, as they take from the strength of the main flower. These are always small and apt to be irregularly formed.

The varieties of the dahlia are many and varied, as to color and size, hence the choice should be left to the individual. The average person interested in dahlias seems to have the greatest success with the decorative and hybrid decorative types. In the garden of the "fan" on the North Shore, mentioned above, as many as twelve blooms, measuring from seven to eleven inches across, were cut at one time.

The use of fertilizer in liquid form is exceedingly helpful during the blooming period.

New Decorative Varieties

The following can be supplied in tubers and pot-grown plants. Plants ready May 15th.

AL KORAN. Rich amber yellow blooms with wavy petals which make them very attractive. Price, Plants, 75c; Tubers, \$1.00.

AMUN RA OR THE SUN-GOD. This is one of the most sensational of the new Dahlias. It is distinct both in color and formation, and while a giant in size it is perfect in shape. The outer petals are of gorgeous copper and orange tones shading to gold and amber, deepening in the center to a dark reddish brown. The stems are stout and hold the immense flowers well above the strong, vigorous plants. The flowers keep for days when cut and last a wonderfully long time on the plant. Price, Plants, 75c; Tubers, \$1.00.

CHARLES H. STRATTON. A splendid exhibition Dahlia, extra large, pale gold shaded and tipped with old rose. Every flower of this variety comes very large and has consistently won as the largest flower in the show. Price, Plants, \$1.00; Tubers, \$1.50.

EASTERN STAR. The color is a soft saffron yellow with old gold shadings. Flowers of great substance and good keeping qualities with full centers, held on strong, erect stems. A strong, vigorous grower and free flowering. Price, Plants, \$1.50; Tubers, \$1.00.

ELITE GLORY. A distinctive new Dahlia. One of the finest among the exhibition varieties. Produces giant flowers, thirteen inches and more in average soil. The blooms are a brilliant red borne on long, heavy stems. Is of a compact sturdy bush growth, and a good keeper as a cut flower. Price, Plants, \$2.50; Tubers, \$5.00.

ELLINOR VANDERVEER. An incomparable Dahlia of exquisite beauty and great size, having every desirable quality. The large blooms are held aloft on long, leafless stems; in color a rich, glowing satiny rose-pink. The flowers are of great depth. An early bloomer and a fine cut flower. Price, Plants, \$1.25; Tubers, \$2.50.

JERSEY'S BEAUTY. (Decorative.) A variety of supreme merit and one that is really perfect. No other Dahlia so far introduced can measure up to it; it is the standard by which to judge all others. The color is true pink without any markings, flowers of perfect shape produced on long, straight, stiff stems. Very free bloomer and a splendid keeper. Price, Plants, 75c; Tubers, \$1.00.

JERSEY'S BEACON. The color is Chinese scarlet with a paler reverse giving a two-toned effect. Flowers are very large and globular in form. It is a prolific bloomer and vigorous grower, and the stems are stiff enough to hold the large flowers erect. Has won the highest awards wherever shown, including most of the big Eastern shows. Price, Plants, \$1.00; Tubers, \$2.00.

MARGARET WOODROW WILSON An exhibition type of Decorative. Face of petals creamy white, reverse Phlox-pink. Petals broad and well placed, terminating in points, strong upright stems, dark green foliage. Medium height bush. A Dahlia for all who want beauty, size and stem. An unusually deep flower. Price, Plants, \$2.00, Tubers, \$4.00.

MARMION. This is one of the very largest Decoratives and as an exhibition Dahlia it has few equals. It is a pure golden yellow with a bronze suffusion on the reverse of the petals. The flowers are massive and have a great depth. The form enhances the beauty of the flowers as the florets are long and wavy and are produced very freely on long cane-like stems. The foliage is thick in texture, tending to make it resistant to the attacks of insects. Price, Plants, \$2.50; Tubers, \$5.00.

MRS. ELEANOR MARTIN. This is a California variety of exceptional merit. The coloring is unique different from all others. A beautiful mulberry with golden suffusion. The form is of best exhibition type. Very large flowers can be grown to ten inches in diameter on stiff long stems. Price, Plants, \$1.25; Tubers, \$2.50.

MYRA VALENTINE A beautiful shade of golden bronze. A tall, strong grower with long, stiff stems and very large flowers. Fine for cutting. Price, Plants, 75c; Tubers, \$1.00.

POP STEWART. This is a remarkable flower of great size. Flowers when opening appear rosy pink but, as it matures, the flower undergoes a complete transformation, toning out into shade of the purest lilac-pink. It is a wonderful grower with splendid stem. Price, Plants, \$1.00; Tubers, \$2.00.

QUEEN OF THE GARDEN BEAUTIFUL. A flower that has filled the dream of Dahlia lovers. One of the largest of all Dahlias. Measures from nine to twelve inches across, grown without forcing. It is a gigantic lemon colored decorative with stems that are unusually strong, the blooms are wonderful keepers. Price, Plants, \$2.50; Tubers, \$5.00.

SAGAMORE. An exceptionally fine exhibition or cut flower of a golden color, shaded toward the center with warm salmon-rose or orange-buff. Stems straight and stiff and wonderful keeping qualities when cut make this flower most desirable. Price, Plants, \$1.00; Tubers, \$2.00.

SPECIAL OFFER No. 98. One each of the above fifteen varieties in strong pot-grown plants for May 15th delivery. Prepaid to 4th zone for \$18.00.

Choice Decorative Varieties

The following can be supplied in tubers and pot-grown plants. Plants ready May 15th.

AGNES HAVILAND. A variety of very large size and perfect form; color a pleasing rosy mauve-pink. Price, Plants, 75c; Tubers, \$1.00.

ALEX WALDIE. Large flowers of a creamy color overlaid with a delicate salmon-pink. The blooms are held well above the foliage. Price, Plants, 50c; Tubers, 75c.

CHAMPAGNE. A warm autumn shade. Copper to golden. A good exhibition dahlia having huge blooms on long, stiff stems. Price, Plants, \$1.00; Tubers, \$1.50.

EARL WILLIAMS. This is a giant flowering dahlia attaining 12 inches in diameter, color brilliant scarlet and white variegated. Price, Plants, 75c; Tubers, \$1.00.

HALVELLA. An all-season bloomer producing rose-pink flowers that are deep and full. A good all-round dahlia. Price, Plants, 50c; Tubers, 75c.

HORTULANUS FIET. A Holland importation, creamy salmon shading to soft yellow. A free flowering variety. Price, Plants, 50c; Tubers, 75c.

INSULINDE. The finest dahlia of distinct form with petals twisted and curled. Stems are 2 to 3 feet long and flowers 9 to 10 inches across. Color, rich saffron-yellow, shaded russet-orange. Price, Plants, 50c; Tubers, 75c.

JESSIE K. PRESCOTT. A deep orange at the center, gradually shading to a creamy orange on the rows of outer petals. Stems, habit and freedom of bloom perfect. Price, Plants, \$1.00; Tubers, \$1.50.

JERSEY'S KING. Begonia rose. Flowers very large and broad petaled, stems very stiff; very robust grower and free bloomer. Price, Plants, 75c; Tubers, \$1.00.

JUDGE ALTON B. PARKER. A magnificent golden-buff color, flowers very large which are carried erect on strong, stiff stems well above the foliage. Price, Plants, 50c; Tubers, 75c.

JUDGE MAREAN. A very large flower of perfect decorative shape. The colors changing as the flowers pass through different stages of development, are a combination of glowing salmon-pink, red, iridescent orange, yellow and gold, all blending most harmoniously. It is an early and continuous bloomer with long, perfect stems. Price, Plants, 75c; Tubers, \$1.00.

KITTY DUNLAP. A pleasing shade of carmine-rose similar to the American Beauty shade. Has broad petals that roll slightly. A good keeper. Price, Plants, 50c; Tubers, 75c.

LA MASCOTTE. Distinctive and pleasing. Silvery white petals with deep violet reverse which gives a two-tone effect when opening. Blooms are of medium size, produced in profusion. Price, Plants, 50c; Tubers, 75c.

MR. CROWLEY. A plant of dwarf habit having blooms of a glowing salmon-pink with yellow at the base of the petals. Price, Plants, 50c; Tubers, 75c.

(Below)—**PAPILLON**—Cactus
See page 100

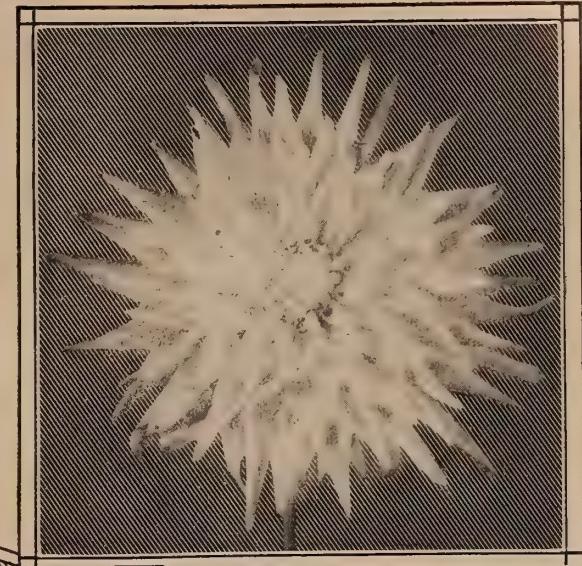
Choice Decorative Var.—Continued

MILLIONAIRE. Very large regular decorative form. Lavender-pink tinting to white at center. Price, Plants, 50c; Tubers, 75c.

MRS. IDE VER WARNER. Large perfect flowers of a charming color; a deep mauve-pink on stout stems. A good grower and free bloomer. Can be grown to a diameter of 11 inches. One of the best dahlias in cultivation. Price, Plants, 50c; Tubers, 75c.

ROSA NELL. It is not possible to find a better dahlia of its color. The flowers are large, of best decorative formations; they are borne on long stiff stems, in good shape to the end of the season. It is of the brightest rose. A flower that always attracts attention. Price, Plants, 50c; Tubers, 75c.

THE GRIZZLY. Gives large, finely formed flowers on good stems. In color a rich crimson shaded maroon. Price, Plants, 50c; Tubers, 75c.



AMBASSADOR—Cactus
See page 100

Standard Decorative Varieties

The following varieties will be supplied in field-grown tubers only of proper planting size.

AUGUSTINUS. The flowers are very large. The ground color is a rosy salmon overlaid with bright metallic lilac. Splendid stems and remarkably free flowering. Price, each, 50c.

CHARM. A much admired free-flowering variety on long, stout, wiry stems, a most pleasing combination of burnt orange shading to yellow. Price, each, 50c.

DAKOTA. Color a deep tone of rich coral-red with coppery suffusion, very large on strong stems. Price, each, 50c.

DAVID HARUM. Bright orange-scarlet with deep crimson shadings. Thick, wide petals, full to the center. Price, each, 35c.

HENRY PATRICK. A pure waxy white, blooms freely. Price, each, 35c.

HOCHSAI. A clear, golden orange, darker shaded center; free-flowering, early. Price, each, 35c.

JACK ROSE. Bright carmine-red overlaid violet, resembling the color of the rose of the same name. A splendid variety. Price, each, 35c.

JACK'S DISCOVERY. White mottled with violet-rose. Flowers of medium size are borne on stiff stems. Price, each, 50c.

JACQUES URLUS. Large salmon-pink shading to pale amber center. Price, each, 35c.

JERSEY'S EMPEROR. Dark maroon; flowers of good size; produced very freely. Price, each, 50c.

KING OF AUTUMN. An entirely new shade of buff-yellow suffused with orange. Price, each, 35c.

MINA BURGLE. Flowers of gigantic size. A most glowing brilliant scarlet. Price, each, 35c.

MRS. CARL SALSBACK. A strong, vigorous grower, color a lively shade of solferino-pink with white suffusion which intensifies its color. Price, each, 50c.

MRS. H. C. DRESSELHUYSEN. A new dahlia of soft pink overlaid with white. Similar in color to the popular Delice, but a much more prolific bloomer. One of the best pinks for cut flowers. Price, each, 50c.

PATRICK O'MARA. The color is an unusually soft and pleasing shade of orange-buff slightly tinged with beautiful deep rose-color. Price, each, 50c.

POLAR BEAR. It is of the purest white, the flowers of great size and excellent form, borne very freely on good long stems. Price, each, 50c.

PRIDE OF CALIFORNIA. Crimson-red, dark full center, good stems and keeper. Price, each, 35c.

REVE D'AMOUR. Petals irregular, making a pretty fluffy flower of large size, of a pleasing crimson-pink with salmon suffusion. Price, each, 35c.

SYLVIA. White, shading to soft pink on the outer petals. Price, each, 35c.

SPECIAL OFFER No. 99. One each of the above nineteen varieties in field-grown tubers of proper planting size. Postpaid to 4th zone for \$7.00.



JERSEY BEAUTY—Decorative

See page 98

SNOWDRIFT. One of the best white decoratives we have seen. A very deep built flower with broad waxy pure white petals. The blooms open quickly, remaining perfect for a week. Fine for exhibition. Price, Plants, 50c; Tubers, 75c.

WIZARD OF OZ. A flower of refined appearance regardless of its mammoth size. The color is a rare shade of glowing amber-pink or soft salmon-pink shades produced on long stiff stems. Always attracts great attention. Price, Plants, \$1.00; Tubers, \$1.50.

SPECIAL OFFER No. 99. One each of the above twenty varieties in strong pot-grown plants for May 15th delivery. Prepaid to 4th zone for \$11.00.



DAHLIAS—Continued

New Cactus Varieties

The following can be supplied in tubers and strong pot plants. Pot plants ready May 15th.

ALICE WHITTIER. This splendid variety is a very delicate shade of primrose-yellow. The flowers are immense in size for a Cactus with good strong stems. Winner of the President's cup at the Boston Dahlia Show. Price, Plants, each, \$2.50; Tubers, each, \$5.00.

ARMARILLO GRANDE. This is a splendid new variety from California. The flowers are very large of a light, yellow color, produced in quantity on good stem. Price, Plants, each, \$2.50; Tubers, each, \$5.00.

ELITE GEM. Spinel pink blush on primuline yellow at the base, reverse rosoline purple. Price, Plants, each, \$2.00; Tubers, each, \$3.00.

EMMA MARIE. In color this is a beautiful clear pink with white center. Flowers are very large, of great substance on good erect stems, keeping well when cut. No garden is complete without this beautiful Dahlia. Price, Plants, each, \$1.00; Tubers, each, \$2.00.

JERSEY'S MAMMOTH. Color a rich golden mahogany. The largest of the Jersey family having frequently reached fourteen inches in diameter. It is a vigorous grower and not very subject to the ravages of insects, but should be watched carefully in the early stages of its growth. Price, Plants, each, \$1.25; Tubers, each, \$2.50.

JERSEY'S RADIANT. An exceptionally appropriate name; a radiant Dahlia of bittersweet orange, produced on long, stiff stems held well above the foliage. A fine exhibition variety. Price, Plant, each, \$1.00; Tuber, each, \$2.00.

KING SOLOMON. Orange-buff in color with an iridescent sheen on its twirled petals. It is a compact low grower, and the stems are very stiff. A free bloomer and makes a good bedder, as it does not require staking. Price, Plants, each, \$1.25; Tubers, each, \$2.50.

NICHU. An extremely large light sulphur yellow of perfect formation. The flowers have fine, long, stiff stems and remarkable keeping qualities, lasting for days when cut. Price, Plants, each, \$1.25; Tubers, each, \$2.50.

SISKIYOU. Pink tinted mauve. One of the very largest flowers ever originated. Usually winning the prize for the largest flower in the show. Stems are strong, holding the bloom perfectly erect. Price, Plants, each, \$1.00; Tubers, each, \$1.50.

SPECIAL OFFER No. 100. One each of the above nine Dahlias in strong plants, ready May 15th. Postpaid to 4th zone for \$12.00.

Choice Cactus Varieties

The following can be supplied in tubers and strong pot plants. Pot plants ready May 15th.

AMBASSADOR. (Hybrid Cactus.) The sensational Dahlia since its introduction. Its color is a soft yellow at the center with salmon, amber and pink shadings gradually deepening towards the tips and outer floral rays. The flowers are of largest size and set on perfect stems. A strong grower and free bloomer from early till late. Price, Plants, each, \$1.00; Tubers, each, \$1.50.

ATTRACTION. Large, elegant flower of a clear lilac rose, borne on long stiff stems and a Dahlia of exceptional merit. A true peony-cactus type. Price, Plants, each, 50c; Tubers, each, 75c.

BALLET GIRL. Very large cactus, with long very finely quilled petals. Color orange tipped white; some flowers solid orange on same plant. Price, Plants, each, 50c; Tubers, each, 75c.

CALIFORNIA ENCHANTRESS. An immense bloom of great substance. It is a delightful shade of pale pink. The stem is fine and it is free flowering. Price, Plants, each, 50c; Tubers, each, 75c.

CINDERELLA. A fawn pink, shading to a tan center. Very large and deep flowers which are held erect on strong, stiff stems. Price, Plants, each, 50c; Tubers, each, 75c.

CIGARETTE. In color it is creamy white, heavily edged with pomegranate red, but it varies greatly, no two flowers being exactly alike. The petals are long and inclined to roll, forming a large, deep, well-shaped flower of great substance on very long stems of best quality. Price, Plants, each, 75c; Tubers, each, \$1.00.

ESTHER HUNT. Produces a vivid orange-colored flower which makes a striking display. The blooms are composed of long, well-rolled petals serrated at the tips. Good stems. Price, Plants, each, \$1.00; Tubers, each, \$2.00.

ESTHER HOLMES. A deep lavender-pink. One of the best of the hybrids for cut flowers. Blooms freely, produced on long, stiff stems. Price, Plants, each, 50c; Tubers, each, 75c.

FRANCIS LOBDELL. Flowers large and of perfect form. Mellow pink shading to white in the center. Free bloomer, splendid bedding and exhibition. Price, Plants, each, 75c; Tubers, each, \$1.00.

Choice Cactus Varieties—Continued

GLADYS BATES. Very large perfect flowers, with incurved petals of a golden salmon, the reverse of the petals being rose, the two colors giving the effect of a golden old rose. It is an early free and continuous bloomer with good stems. Price, Plants, each, 50c; Tubers, each, 75c.

GLADYS SHERWOOD. (Hybrid Cactus.) It is truly a wonderful Dahlia. Flowers over 10 inches in diameter, composed of long, curling petals of glistening white, forming a flower of unusual depth. These giant flowers are held erect on strong stems. Price, Plants, each, 50c; Tubers, each, 75c.

ISLAM PATROL. (Hybrid Cactus.) A gorgeously colored flower, a velvety crimson-scarlet tipped and flushed with pure gold. It is very early and holds its perfect shape to the end of the season. Price, Plants, each, \$1.00; Tubers, each, \$2.00.

J. W. LEE. One of the very best from Pacific coast. Large size, a free bloomer and strong grower on good stiff stems. Yellow, suffused scarlet. Price, Plants, each, 75c; Tubers, each, \$1.00.

JEAN CHAZOT OR GAY PAREE. A splendid hybrid Cactus form, and in color a beautiful golden bronze with just a faint suffusion of nasturtium-red that intensifies its brilliancy and adds to its charm. A free upright with long, stiff stems. Price, Plants, each, 75c; Tubers, each, \$1.00.

MARIPOSA. (F'hybrid Cactus.) A delightful shade of true pink which is intensified by a deeper center: a faint violet suffusion adds to the effect. An absolutely stiff stem rises nearly 3 feet above the foliage. Blooms early and continues in good shape to the end of the season. Price, Plants, each, \$1.00; Tubers each, \$1.50.

PAPILLON. A highly rated cactus Dahlia. It is of beautiful formation and coloring, being a blend of old rose and gold. Price, Plants, each, \$1.00; Tubers, each, \$1.50.

VIOLETTA. (Hybrid Cactus.) Petunia-violet in color; flowers large on fine stems; free bloomer and good grower. Price, Plants, each, \$1.00; Tubers, each, \$1.50.

MRS. ETHEL F. T. SMITH. Creamy white shading to a lemon tint at the center. Immense flowers produced freely on long, stiff stems. Price, Plants, each, 75c; Tubers, each, \$1.00.

SPECIAL OFFER No. 100A. One each of the above eighteen Dahlias in strong plants ready May 15th. Postpaid to 4th zone for \$11.50.

Standard Cactus Varieties

The following can be supplied in tubers only.

AURORA. Delicate reddish apricot suffused with pink, shading lighter towards the tips of the petals. Price, each, 35c.

BEATRICE. An extremely large flower, one of our best, color a true lilac. Price, each, 35c.

BIANCA. (Hybrid Cactus.) Lilac-rose, very free-flowering and a wonderful variety for cut flowers. Price, each, 50c.

COUNTESS OF LONSDALE. A delicate apricot shading towards the edges of the petals to carmine-pink. Early and one of the very best. Price, each, 35c.

ETENDARD DE LYON. One of the best of the cactus type. Broad, wavy petals of a color between a rich carmine-rose and royal purple. Price, each, 50c.

EXTASE. A splendid large flowering variety, color a beautiful rose overlaid with yellow, which deepens toward center. Price, each, 50c.

F. W. FELLOWS. Flowers of immense size composed of numerous long, narrow incurved petals of a lively orange-scarlet. Price, each, 50c.

GOLDEN WEST. A rich golden, bronzy yellow with scarlet shading at the base of the petals and the center. Lower flower is 6 to 8 inches across, outer petals reflexing somewhat, with full high center. Price, each, 35c.

J. H. JACKSON. A perfect gorgeous deep, velvety, blackish maroon. Gigantic in size. Every Dahlia lover should grow this variety. Price, each, 35c.

JUSTICE BAILEY. Delicate flesh rose-pink, shaded white to center; size of bloom and length of stem makes this variety all that can be desired. Price, each, 50c.

KALIF. Pure scarlet. A truly majestic flower frequently measuring 8 to 10 inches in diameter; strong grower. Price, each, 50c.

MARJORIE CASTLETON. A fine soft pink, blooming early and continuously. It is a rapid grower with good stems. Price, each, 35c.

MRS. HENRY R. WIRTH. A splendid companion to Countess of Lonsdale, having all the qualities of the former. In color a rich glowing intense scarlet. Price, each, 35c.

NIBELUNGENHORT. A giant plant producing giant blooms of a rich golden apricot suffused with old rose. It is a good exhibition variety and does well everywhere. Price, each, 50c.

YELLOW KING. An unusually large flower of pure yellow; very rich in color; freely produced on very long, stiff stems. Price, each, 35c.

SPECIAL OFFER No. 100B. One each of the above fifteen Dahlias in strong tubers. Postpaid to 4th zone for \$5.50.

Show Dahlias

The following can be supplied in tubers only.

A. D. LIVONI. A beautiful soft pink flower with quilled petals. Price, each, 35c.

DREER'S WHITE. Glistening white, resembling in form Grand Duke Alexis; free-flowering. Price, each, 35c.

D. M. MOORE. A flower of mammoth size, produced in profusion on long, stiff stems. Its color is a deep velvety maroon. It has no equal in its color. Price, each, 50c.

ELSIE BURGESS. Lavender-pink, of good size and form. A general favorite. Price, each, 35c.

GOLD MEDAL. A Dahlia with autumn coloring, deep yellow, regularly striped dark crimson. A striking flower. Price, each, 50c.

MAUDE ADAMS. The color is a pure snowy white, very effectively overlaid clear delicate pink. Price, each, 35c.

ROBERT BROOMFIELD. Show and fancy; pure white; of excellent form; highly recommended. Price, each, 35c.

STRADELLA. Rich deep purple-crimson; very free-flowering; long stems. Price, each, 35c.

YELLOW DUKE. Pure canary-yellow; large size flowers on good, stiff stems. Price, each, 35c.

SPECIAL OFFER No. 100C. One each of the above nine Dahlias in strong tubers. Postpaid to 4th zone for \$3.00.

Peony Flowered Dahlias

The following can be supplied in tubers only.

AVALANCHE. A splendid pure white. An early and free bloomer. Price, each, 35c.

JAN OLIESLAGERS. Deep primrose-yellow; very large and free-flowering. Price, each, 35c.

LAURA BARNES. One of the most popular Dahlias of recent introduction. Its large flowers are an attractive shade of orange-red. Price, each, 35c.

QUEEN WILHELMINA. This is a splendid variety of this new type with immense pure white flowers, with yellow center. Price, each, 35c.

TYRREL AUSTIN. Outer petals a rich carmine-red, inner petals beautifully blended and veined carmine, shades of yellow and pink. Price, each, 35c.

SPECIAL OFFER No. 100D. One each of the above five Dahlias in strong tubers. Postpaid to 4th zone for \$1.50.

Pompon Dahlias

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

The following can be supplied in tubers only.

BACCHUS. Bright scarlet. Price, each, 35c.

LITTLE HERMAN. Deep red, tipped white; very free. Price, each, 35c.

LITTLE MAY. Clear yellow. Very prolific. Price, each, 35c.

NEATNESS. Pale salmon. Price, each, 50c.

NERISSA. Soft rosy pink. Price, each, 50c.

SNOWCLAD. The best pure white pompon. Price, each, 35c.

SPECIAL OFFER No. 100E. One each of the above six Dahlias in strong tubers. Postpaid to 4th zone for \$2.00.

Century Dahlias

This giant flowering type of single Dahlias are now very popular both for garden decoration and for cutting.

The following can be supplied in tubers only.

GOLDEN CENTURY. A rich golden yellow suffused with amber.

MAROON CENTURY. Beautiful rich maroon, large yellow center. Erect, free-flowering.

PINK CENTURY. Delicate soft pink, similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage.

SCARLET CENTURY. Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.

WHITE CENTURY. A profuse bloomer and a strong grower. Price: Any of the above dahlias, each, 35c.

SPECIAL OFFER No. 100F. One each of the above 5 Dahlias in strong tubers. Postpaid to 4th zone, for \$1.50.

UN-NAMED DOUBLE DAHLIAS. Undivided field clumps in white, pink, yellow, red or variegated, good sorts. Price, each, 35c; doz., \$3.00, by express.

MIXED SINGLE AND DOUBLE DAHLIAS. Undivided field roots. Price, each, 25c; doz., \$2.50, by express.

DAHLIA TUBERS. In white, pink, yellow, red or variegated. Price each, 15c; doz., \$1.50, postpaid.

Vaughan's Cannas

MOST distinct and interesting collection of Cannas, both rare and effective. When planted in masses of one variety they are very effective. Be careful in ordering and planting Cannas to note height of growth so that when in groups, tall ones are at the back, smaller at the front or that kinds of about one height are planted together. All varieties have green foliage unless otherwise specified. Plants are from three-inch pots.

Each price of plants include prepayment to fourth zone. 6 of one variety at dozen rate: 25 of one variety at 100 rate.

The Four Leaders

*King Humbert

4 feet. Scarlet flowers, bronze leaves; greatest favorite today. This remarkable "Gold Medal" Canna has been the sensation of the past twelve years. It is a cross between the orchid-flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free-blooming character of the other, and the handsome broad, tropical foliage.

*Yellow King Humbert

4 feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red; measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. An orchid flowering sport of the well-known variety King Humbert. Some plants will occasionally give a scarlet or scarlet-striped flower, which we consider an improvement rather than a defect.

Hungaria

3½ feet. The best pink Canna. Leaves bluish green, never burn. Flowers very large, with immense petals. Trusses of enormous size borne well above the foliage. Very compact, almost dwarf and of a very luxuriant growth. Three-inch pots, each, 35c; doz., \$3.00; 100, \$20.00.

The President

4 feet. In color a rich glowing scarlet with immense rounded flowers, seven inches across when fully open, are produced on strong erect stalks well above the heavy foliage. Free-bloomer and strong grower.

Price, except where noted, three-inch pots, each, 30c; doz., \$3.00; 100, \$15.

SPECIAL OFFER No. 102. One each of the above four Cannas, three-inch pots, postpaid, for \$1.25.



HUNGARIA

Vaughan's Choice Varieties

Ambassador. 3½ to 4 feet. Bronze foliage; color poppy red; very brilliant flowers are borne in immense trusses on strong stalks well above the foliage; petals measuring from 2 to 2½ inches across. Plant is very vigorous. Price, three-inch pots, each, 40c; doz., \$3.50; 100, \$25.00.

Apricot. 4 feet. The color is a buff-yellow base overspread with salmon-pink, making a mass effect of rich apricot.

City of Portland. 3½ feet. A deep pink which does not fade during the hot weather. A free-bloomer, with flowers borne well above the foliage. Distinct among the several really worth while pink Cannas.

Eureka. 4 feet. Remarkably free-flowering variety and with its striking white flowers, which first appear cream, makes a very effective show in conjunction with a good scarlet such as King Humbert. A robust grower, forming sturdy, shapely plants quickly.

King Midas. 5 feet. A rich deep gamboge yellow, unadulterated and remarkably permanent. Extra free-bloom, just nicely clearing the leaves in b'ly self-cleaning trusses. A good deep yellow variety.

Mrs. Alfred F. Conard. 4 feet. Flowers salmon-pink of large size on finely shaped flower heads.

Mohawk. 5 feet. Bronze foliage. Flowers large, of a brilliant poppy-red, toning to carmine, with full clean flower spikes.

Nokomis. Large vivid crimson flowers with a rich, silky sheen on the large petals. Bronze foliage.

Rosea Gigantea. 3 to 4 feet. A magnificent showy Canna of a rose to carmine-pink shade. Flower heads of immense size.

***Statue of Liberty.** 6 feet. An extremely vigorous grower with bronze foliage and large orange-scarlet flowers.

Price, except where noted, three-inch pots, each, 35c; doz., \$3.00; 100, \$18.00.

SPECIAL OFFER No. 102A. One each of above 12 varieties, postpaid for \$3.00.

Vaughan's Standard Varieties

Beaute Poitevine. 3½ feet. Crimson flowers and a free-bloomer.

Chas. Henderson. 4 feet. Crimson flowers. Good bedder and strong grower.

David Harum. 3½ feet. Dark bronze foliage. Strong grower and one of the freest-blooming Cannas we have.

Florence Vaughan. 5 feet. The most famous yellow Canna. Introduced by us in 1892, it still remains indispensable in its class.

***Frederick Benary.** Flowers are currant red with an orange throat and yellow border.

Gladiator. Deep yellow dotted with red. Green foliage.

***Indiana.** 6 feet. Rich golden orange flowers often seven inches across.

Karl Merck. 4 feet. Flower a pure yellow with tinge of orange and flecked with pink dashes, becoming red in throat. Large flowers and truss.

Long Branch. Scarlet with a yellow border; green foliage.

***Louisiana.** 6 feet. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 inches across. Foliage a glossy green.

Orange Bedder. 4 feet. Green foliage. Bright orange with just enough scarlet suffusion to intensify the dazzling mass of color. A very free-bloomer.

Queen Charlotte. 4 feet. Rich orange-scarlet with a broad gilt edge.

Shenandoah. Pink and salmon with bronze foliage.

Souv. de A. Crozy. 4 feet. The flowers are scarlet-crimson with yellow edge.

Venus. 3½ feet. A soft rosy pink with a pretty mottled border of creamy yellow.

***Wintzer's Colossal.** 5 feet. A striking vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses.

***Wyoming.** 5 to 6 feet. Bronze foliage. Flowers a beautiful shade of orange.

Price, three-inch pots, each, 25c; doz., \$2.50; 100, \$15.00.

SPECIAL OFFER No. 102B. Any five of the above Cannas postpaid for \$1.00.

SPECIAL OFFER No. 102C. Any twelve of the above Cannas postpaid for \$2.00.

All Cannas marked (*) are Orchid Flowering Varieties.

Number of Cannas required for round beds planted eighteen inches apart each way for the following sizes: Seven feet—nineteen plants, one for center; six for first row, twelve for second or outside row. Ten feet—thirty-seven plants, one for center; six for first row, twelve for second row, eighteen for third or outside row. Thirteen feet—sixty-one plants, one for center; six for first row, twelve for second row, eighteen for third row, twenty-four for fourth or outside row.

Forest River, N. D., Nov. 7, 1927.
Vaughan's Seed Store, Chicago.

I am more than pleased with the seeds I got from you in the spring of this year. I had a wonderful lot of beautiful flowers from all seeds and the most beautiful Stocks and Phlox I have ever seen. Your 1927 seed book, "Gardening Illustrated," is a wonderful book—the most instructive of any of its kind I have seen. I surely gained a lot of information from it.

MRS. PETER J. FAGOT.



PRESIDENT



PAUL NEYRON

PAUL NEYRON. This magnificent rose is by far the largest variety in cultivation. Very double and full, deep rose and delightfully fragrant; very floriferous.

Exceptional Hybrid Tea Novelties

This class commonly known as monthly roses, blossom continuously. In severe winter climate they need complete protection. All plants of novelties are No. 1 grade.

DAME EDITH HELEN (Alex Dickson & Sons, 1926). Awarded Gold Medals by the National Rose Society of England and also at last spring's New York and Philadelphia Flower Shows. We question if any Hybrid-Tea Rose yet introduced promise to be such a valuable addition to our garden Roses as this wonderful new pink variety. The plant possesses a strong, vigorous constitution, the flowers are produced singly on well-foliated strong canes throughout the season, these are of immense size, composed of very substantial broad petals which curl back prettily forming a wonderful long pointed bud which develops into a full double flower, and is absolutely perfect in every stage of development. The color is a brilliant yet soft Rose du Barri pink and is delightfully and strongly sweet scented. \$2.00 each.

FRANK READER (Verschuren & Sons, 1927). A large massive flower with high pointed centre with nicely reflexing petals of great substance, the long buds in first developing are a light lemon-yellow, while the flowers in their half-expanded form reveal a heart of golden apricot; it has a delicious rose-apple scent. \$2.00 each.

LADY MARGARET STEWART (1927). Another marvelous introduction of Alexander Dickson & Sons awarded the Gold Medal of the National Rose Society of England at the 1926 Spring Show. A Rose of unique and distinct color, the flowers in the young stage are a deep sunflower yellow heavily veined and splashed with orange-scarlet with the reverse of the petals deeply suffused with carmine, as the flowers develop these colors intermingling forming a most beautiful cadmium orange effect. The bud is long and pointed, opening to a full double flower, of most pleasing decorative form of delightfully sweet scent. \$2.00 each.



FRANK READER



MRS. A. R. BARRACLOUGH



MARGARET McGREDY



DAME EDITH HELEN

Garden Roses

FOR Spring planting we have found that potted rose bushes give the best results. The plants you receive are in full leaf; possibly budded with the roots growing naturally in a ball of soil. All you need to do is to plant them in well prepared rose soil about 6 inches deeper than they were in the pot and water very thoroughly. Most varieties will bloom within a month from the time you plant them and continue throughout the season.

Properly cared for you may be sure that every plant will live and give results.

Number 1 stock is in 5 or 6 inch pots, from 2 to 3 feet tall, with 3 to 5 canes depending on the variety. Number 2 stock is in 4 inch pots and from 1½ to 2 feet tall. It is as vigorous and healthy as No. 1 but the plants are a little smaller.

All orders are handled and packed by experienced hands, and we guarantee safe arrival by express. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled than from cities less centrally located.

Ask for our pamphlet, "How to be Successful With Roses."

Hardy Hybrid Perpetual Roses

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure or leaves is very advantageous, and necessary near and north of Chicago.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux mixture for insects and fungi will be found beneficial. They thrive best with application of manure water, and at least two applications of bone meal (two pounds per square yard) prior to blooming time. Roses in general do not like to be near trees and shrubs so are grown by themselves.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds, fragrant. The Jack Rose is noted for its good qualities.

GEORGE AREND'S (PINK FRAU KARL DRUSCHKI). Beautiful clear pink, different in color from any other rose; a free-bloomer and one of the best.

GRUSS AN TEPLITZ HT. Rich scarlet, shading to a velvety crimson; very fragrant; a free, strong grower, in bloom all the time. This rose should be in every garden, as it succeeds under the most ordinary conditions.

J. B. CLARK. Robust in growth, with clean heavy foliage. Flowers are large, deep scarlet, overlaid crimson.

MAGNA CHARTA. Deep pink, large sweet-scented and of fine form; one of the hardiest roses in cultivation.

MRS. JOHN LAING. Very free-flowering, commencing to bloom early in the season and continuing to bloom profusely until late autumn. A soft delicate pink with a satiny sheen; very fragrant, fully double.

PERSIAN YELLOW (AUSTRIAN BRIAR). The Hardy Yellow Rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and among shrubs.

ULRICH BRUNNER. A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

Prices on Hardy Perpetual Roses:

No. 1, \$1.00 each; doz., \$10.00; 100, \$75.00.
No. 2, 50c each; doz., \$5.00; 100, \$40.00.

SPECIAL OFFER NO. 102. One each of any 6 varieties of above roses. By express, No. 1 stock, \$5.00. No. 2 stock, \$2.50.

Aquatics (Water Plants)

We have issued a special leaflet giving prices and cultural instructions. Ask for it.

Bush and Climbers

Hybrid Tea Roses

This class has resulted from crossing the Hardy Perpetuals with the Tea scented varieties and possesses the hardiness of the first with the free-blooming habit and fragrance of the latter. All have long-pointed buds borne on strong stems which make them valuable as cut flowers.

COLUMBIA. A true pink, deepening as it opens to a glowing pink. A peculiarity of the variety is that the shades all become more intense until fully open. Strong grower, sending up numerous stiff stems of good length with fine foliage free from mildew.

GOLDEN OPHELIA. This is a seedling from the well-known variety Ophelia. Golden yellow, lighter at the edges, slightly fragrant.

GRUSS AN TEPLITZ. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time.

KAISERIN. In color a soft pearl-white tinted with lemon in the center, remarkably fragrant. A strong, free, healthy grower.

KILLARNEY DOUBLE WHITE. A pure white sport of the famous and popular Killarney rose, identical in every way with its parent excepting in color.

LADY HILLINGDON. A beautiful coppery shade of apricot-yellow. A strong, vigorous grower and very free-flowering.

LOS ANGELES. Color pale pink and coral shaded with gold; large, very fragrant. Vigorous grower.

MRS. AARON WARD. Few roses attract so much attention as this beautiful variety. The flowers are full double, a distinct Indian yellow, shading lighter towards the edges. A strong, vigorous, compact grower and free-bloomer.

MME. BUTTERFLY. A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold. A free grower and bloomer with large, handsome foliage free from mildew.

MRS. F. R. PIERSON. It has an equally large flower as the favorite American Beauty even at its best. Better color with fine heavy dark foliage, strong stems, is very fragrant. It is a shade of cardinal-red.

OPHELIA. A delicate tint of salmon-flesh shaded with rose. The flowers are held erect well above the foliage and in great profusion all summer.

PREMIER. Rich deep rose-pink, double, nearly thornless. A robust grower, blooming all season.

RADIANCE. Brilliant rosy carmine shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer.

RED RADIANCE. Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. A fine variety for outdoor planting.

SOUVENIR DE H. A. VERSCHUREN. A strong, vigorous grower. Flowers double, apricot-yellow shading to saffron-yellow, very fragrant.

SOUVENIR DE CLAUDIUS PERNET. Flowers sunflower-yellow, unfading even in the warmest weather; foliage brilliant green. It was awarded the Gold Medal at the Bagatelle Garden trials in 1920 and in the same year also received the Gold Medals at the Rose Show in Paris and at Antwerp.

SUNBURST. The color is intense orange-copper and golden yellow. Buds, long and pointed, opening full and double.

TEMPLAR. A clear even shade of red that does not change to blue or purple as the flower ages. It is a color that holds well at all times. It produces heavy dark green foliage which is almost disease-resistant. A vigorous upright grower.

W. R. SMITH. The flowers are creamy white, shaded pink, large and double, and are produced with the greatest freedom. It makes a beautiful cut flower.

Prices on the above Hybrid Teas:

No. 1, \$1.00 each; doz., \$10.00; 100, \$75.00.
No. 2, 60c each; doz., \$6.00; 100, \$45.00.

SPECIAL OFFER NO. 103. Any 12 of the above No. 1 for \$10.00. Any 12 of the above No. 2 for \$5.00.

SPECIAL OFFER NO. 103A. Any 6 of the above No. 1 for \$5.00. Any 6 of the above No. 2 for \$3.00.

Hardy Climbers

Climbing roses have been constantly in demand, for vines are needed to decorate every home and when such also produce roses, the pleasure is magnified many fold. They are used as screen planting and in borders or for beautifying the unsightly; for ornamenting terraces, banks, rockeries, old stumps or boundary fences; and for covering archways, arbors, pergolas and summer-houses.

AMERICAN PILLAR. Very large, handsome flowers of light bright crimson, with a clear white eye surrounding numerous golden yellow stamens. These flowers fade to an agreeable light pink and are in great clusters.

BESS LOVETT. Resembles Climbing American Beauty in shape of flower but is brighter in color, a clear bright red, double. Very vigorous.

CLIMBING AMERICAN BEAUTY. A free-climber. Rosy crimson flowers, 3-4 inches across, produced freely in June and occasionally throughout the season. Very fragrant.

DOROTHY PERKINS. Beautiful shell-pink double flowers in large clusters. Strong, vigorous grower, attaining a length of 20 feet in one season.

DR. W. VAN FLEET. The delicate flesh-pink flowers are full and double, open to an immense diameter; sweetly perfumed; beautiful bronze green foliage.

EUGENE JACQUET. The earliest and most profuse flowering of all the climbers. Fragrant cherry-red flowers in great profusion; handsome dark green mildew-resisting foliage.

EXCELSA. Flowers very double, produced in large trusses; thirty to forty on a stem; intense crimson maroon. Vigorous.

FLOWER OF FAIRFIELD. Its flowers, produced in profusion, are of a fine crimson color, more lasting and brilliant than the common Crimson Rambler.

HEART OF GOLD. Flowers single, medium size, dark crimson shading to white in center; in large panicles carrying as many as seventy-five blooms. Vigorous, hardy climber; profuse spring bloomer; dark green glossy foliage, mildew-resistant.

MARY WALLACE. Pillar rose type. Makes a fine, strong, self-supporting rose 5 to 8 feet high with large, glossy foliage. Blooming with great freedom in spring and bears a considerable number of fine buds in summer and fall. Flowers well formed, semi-double, bright, clear rose-pink with salmon base to the petals. Largest in size of any Wichuriana Hybrids. Generally exceeding 4 inches in diameter.

PAUL'S SCARLET CLIMBER. A most important addition to the Climbing Roses; no other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy. Usually blooms again in the fall.

ROSERIE. This splendid new rose is derived as a sport from Tausendschoen, its flowers are a deep glowing pink.

WHITE DOROTHY PERKINS. This beautiful rose is the counterpart of the well-known Dorothy Perkins, except in color which is pure white.

Prices of above Hardy Climbing Roses:

From 5-inch pots, No. 1 grade, each, \$1.00, doz., \$10.00; 100, \$75.00.

From 4-inch pots, No. 2 grade, each, 50c, doz., \$5.00; 100, \$40.00.

SPECIAL OFFER NO. 103B. One each of any 6 of the above roses from 4-inch pots for \$2.50.



CECILE BRUNNER

Climbing Polyantha and Noisette Roses

CLIMBING CLOTHILDE SOUPERT. Large double, beautiful shell-pink flowers in clusters.

CLIMBING MME. CECILE BRUNNER. A continual bloomer with sprays of small, double, rosy pink, fragrant flowers. Splendid for bouquets.

HYLLIS BIDE. Pillar Rose. The flowers are a pretty combination of yellow and pink tints, but its great point is that it blooms almost perpetually. Unique among ramblers on this account, one-year plants blooming quite freely.

From 4-inch pots only, each, 50c; doz., \$5.00; 100, \$40.00.

Dwarf Polyantha Roses

These are entirely distinct from the larger flowered sorts, as flowers are borne in clusters of from 10 to 25 individual flowers. If planted in masses of 25 or more together, will make a very effective border or bed.

CECILE BRUNNER. The delicate buds are of perfect form, a deep salmon-pink, turning to a pale flesh color when fully open. Blooms all season. Fragrant.

CHATILLON ROSE. Flowers semi-double, about 1 1/4 inches in diameter, a silvery crimson shading to a white center, in sprays of from fifteen to fifty flowers.

CLOTHILDE SOUPERT. Pearly white, shading to pure rose-pink. Blooms continually during the summer.

ORANGE KING. A new shade in Polyantha Roses being a yellow orange produced in large clusters of double flowers. Strong grower.

SUPERBE. Brilliant, rich, deep carmine. Large double flowers produced in strong heavy clusters. One of the best dark colored Polyantha Roses.

VAUGHAN'S WHITE BABY RAMBLER. Pure snow-white flower about 1 inch in diameter.

Price of the above roses, from 4-inch pots only all No. 2 grade, each, 50c; doz., \$5.00; 100, \$40.00.

SPECIAL OFFER NO. 103C. One each of the above 6 roses from 4-inch pots, for \$2.50.

BABY TAUSENDSCHOEN. Dwarf Polyantha with its bountiful bouquets of creamy white saucer-shaped flowers. Every petal edged with rosy pink.

CRIMSON BABY RAMBLER. Still a favorite. Flowers in clusters of 30 to 40; the foliage dark and glossy. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

ERNA TESCHENDORFF. The color of the flower is the brightest red, being superior to the Crimson Baby Rambler, Jessie, and others. The flowers are large and very double, and are produced in constant succession throughout the whole season. It is free from mildew.

MISS EDITH CAVELL. Brilliant scarlet-red with darker shadings. One of the most desirable deep colored varieties.

IDEAL. An intense rich lustrous garnet. The flowers are not large but are produced in very large trusses and are very effective.

ORLEANS. Brilliant geranium-red, suffused rose and deep cerise. Bushy habit; grows and blooms freely; flowers not crowded, but of beautiful arrangement and most lasting quality with their stiff, paper-like texture.

Price of the above 6 roses, from 5-inch pots, No. 1 grade, each, \$1.00; doz., \$10.00; 100, \$75.00.

From 4-inch pots, No. 2 grade, each, 60c; doz., \$6.00; 100, \$45.00.

SPECIAL OFFER NO. 103D. One each of the above 6 roses, from 4-inch pots, for \$3.00. From 5-inch pots, for \$5.00.



SOUVENIR DE CLAUDIO PERNET

Novelties and Specialties of

FORSYTHIA, *Intermedia Spectabilis*

BERBERIS

Thunbergi Atropurpurea (New Red-leaved Japanese Barberry). Similar in all respects to the green-leaved Japanese Barberry which is so popular, but the foliage is of a rich, lustrous, bronzy red, similar to the richest red-leaved Japanese Maples. Instead of fading as the season advances, this new Barberry becomes more brilliant throughout the summer, and in the fall changes to vivid orange, scarlet, and red shades, more brilliant than in the ordinary Japanese Barberry. It bears the same scarlet berries common to the type, which remain on the plant the entire winter.

All that is required to develop its coloring at all seasons is to plant in full sun. 1-year, each, 75c; 3 for \$2.10; doz., \$7.50; per 100, \$50.00. We furnish 25 of a size at the 100 rate.

Verruculosa (Warty Barberry). A handsome, dwarf spreading Barberry, with shining-leaved foliage, light green above, glaucous underneath. Beautiful in winter when it turns a rich red and bronze. Bright yellow flowers in Spring followed by lustrous violet-black fruits in Fall. Fine for use in the rock garden. Best planted in a protected place. 12 to 15 in. Balled and burlapped, \$1.50 each, per 10, \$12.00.

BUDLEIA

Farquhari. A new, rather dwarf, compact growing variety of the Butterfly Bush or Summer Lilac. Has rich green foliage with silvery reverse and bears in late summer long racemes of rich lilac-purple flowers. 2-year, 75c.

CORNUS

Mas Aureo-Elegantissima (Variegated Cornelian Cherry). Tall growing, with purplish red branches and beautiful green leaves with prominent silver-white markings, one of the choicest of variegated leaved shrubs, valuable in summer for its contrasting foliage and in winter for its bark. 2 to 3 ft., 75c; 3 to 4 ft., \$1.00.

COTONEASTER

A desirable class of hardy shrubs valued especially for the rich autumnal coloring of their leaves, and for their conspicuous berries which brighten the fall and early winter. Plant in any good well-drained soil avoiding shade or moist situations.

Horizontalis. "Deservedly the most popular of the red-fruited varieties," says E. H. Wilson of the Arnold Arboretum. A dwarf shrub with densely spreading horizontal branches almost prostrate. On account of its habit, is much appreciated in rockeries and the front of borders, to display its crimsoning leaves and scarlet fruits deep into winter. 9 to 12 in., 5 in. pots, \$1.00; 15 to 18 in., balled and burlapped, \$1.50.

Divaricata. One of the best of the species, especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggish bush from 5 to 6 ft. tall and much more in diameter. The small, oval, dark green leaves turn a brilliant shade of crimson before they fall. 12 to 15 in., not balled and burlapped, \$1.00; 18 to 24 in., balled and burlapped, \$1.50.

Simonsii. This has attractive inch-long foliage, and an upright, branched growth to 4 feet. The earliest fruiting, its berries showing bright red in mid-summer; its leaves crimsoning for fall. 18 to 24 in., not balled and burlapped, \$1.00; 18 to 24 in., balled and burlapped, \$1.50.

CRATAEGUS

Oxyacantha Alboplena. Similar to the Paul's Double Scarlet Hawthorn but with double white flowers. 5 to 6 ft., branched, \$3.00.

Oxyacantha Splendens (Paul's Double Scarlet Hawthorn). The most beautiful and showy of the double-flowering thorns, with lovely blossoms of bright scarlet color, large, full and very double. It forms a small tree or large shrub, and makes a fine specimen for the lawn. 4 to 5 ft., branched, \$2.50; 6 to 8 ft., not branched, \$3.00.

DAPHNE

Cneorum (Rose Daphne). One of the loveliest of all plants and a gem for the rock garden or for edging borders. A dwarf Evergreen shrub of trailing habit, with leaves of dark glossy green, glaucous beneath. Small, tubular rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well drained, poor gravelly soil. In cold climates the plants should be protected during winter, 8 to 10 in., \$1.50 each, per 10, \$12.00.

FORSYTHIA

Intermedia Spectabilis (Showy Border Forsythia). Considered the best of the Forsythias on account of its larger and richer yellow blossoms which completely cover the wide spreading branches in early Spring. 2 to 3 ft., 75c.

HALESIA

Tetraptera (Great Silverbell). One of the handsomest of the flowering large shrubs. The foliage is dark green, the underside of the leaves covered with a gray down, making a silvery effect. In early May before the leaves are fully out, it is covered with a profusion of glistening white bell-shaped flowers, borne in small clusters or racemes, resembling snowdrops on the branches. It requires a well drained rich soil in a sunny but sheltered position. 2 to 3 ft., \$1.00.

JAPANESE FLOWERING CHERRIES

Probably no group of small flowering trees attract more attention than the Japanese Cherries with their rose-like flowers. They are still scarce, although they will thrive in practically every state if planted in a fertile and well drained soil and kept mulched for a few years. We are glad to be able to offer the following good varieties.

Fugenzo (Kofugen). A tree of spreading habit, with a flat crown, brownish gray bark and dark bronze-green leaves. This is one of the finest varieties, desirable for its unusual color—crimson buds with double flowers, about one and one half inches wide, that are red fading to old rose. 5 to 6 ft., \$6.00.

Kwanzan (Sekizan). Often called the handsomest of all the double flowering cherries. It forms an upright spreading tree with gray bark and deep bronze-green leaves. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose. 5 to 6 ft., \$6.00.

Sieboldi (Naden). A very popular late flowering variety. The flowers, a deep blush-pink in color, are very large and produced in great abundance. A vigorous grower adapted for street or lane plantings. 3 to 4 ft., \$4.00; 4 to 5 ft., \$5.00; 5 to 6 ft., \$6.00.

Japanese Flowering Cherry Collection. One each of the above 3 varieties, 5 to 6 ft., for \$15.00.

KOLKWITZIA

Amabilis (Beautybush). There are few flowering shrubs which can surpass this for beauty of form and flower. Its trumpet-shaped pink flowers, deep pink without, stained with yellow-brown on the lower throat and lip, are most freely produced, which fact combined with its graceful contour, makes the plant a striking object in the shrubbery border. Grows from 6 to 8 feet tall. One of E. H. Wilson's and the Arnold Arboretum's choicest new introductions from China. 8 to 12 in., 4 in. pots, \$2.00.

LONICERA

Korolkowi Floribunda (Broad Blueleaf Honeysuckle). A most attractive variety of twiggy growth, arching in habit, with a mass of gray-green foliage and great masses of delicate pink flowers carried high on the plants and producing a misty effect which is very beautiful. 18 to 24 in., \$1.00.

MALUS (Flowering Crab)

The Flowering Crabs have few rivals among the gorgeous spring-flowering ornamentals. They are small trees and their blooms range in color from deep carmine to the most delicate pinks. They make splendid specimens for the lawn, and when used in the shrubbery borders they enhance the value of the planting with their profusion of color.

Atrosanguinea (Carmine Crab). Similar to Floribunda, but with deep carmine flowers which do not fade. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

Baccata (Siberian Crab). One of the earliest of the flowering Crabapples, producing quantities of white, fragrant flowers followed by small, reddish fruit. Small, spreading tree; good foliage. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

Bechtel's Double-Flowering. Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., \$1.75; 4 to 5 ft., \$2.50; 5 ft. specimens, \$5.00; 6 ft., specimens, \$6.50.

Coronaria (Wild Sweet Crab). A low bushy tree with spreading spiny branches. Very fragrant pink flowers produced in clusters. The yellow-green fruit is fragrant and is frequently used for preserves. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

Floribunda (Japanese Flowering Crab). Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter and is greatly relished by the birds. 3 to 4 ft., \$1.50.

Floribunda Purpurea. A newer variety resembling Floribunda, but with purple foliage, single purple flowers, and fruit. 4 to 5 ft., \$2.00.

Niedzwetzkyana. A showy tree with remarkable single red flowers followed by red fruits about one inch in diameter in October. Bark and wood are tinged with red. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

Single-Flowering Pink. A small, strong-growing tree with heavy thick foliage. A very free-blooming variety producing in early spring a wealth of single pink blossoms and should be in every garden. 4 to 5 ft., \$2.00; 5 to 6 ft., \$2.50.

Spectabilis (Chinese Flowering Crab). Of pyramidal habit, and one of the largest of flowering Crabapples, sometimes attaining a height of thirty feet. Very large and fragrant pink single or semi-double flowers. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.



BECHTELS DOUBLE-FLOWERING CRAB

Ornamental and Flowering Shrubs

PHILADELPHUS (Mock Orange)

The Better Varieties

There is a great variation in the different varieties of Mock Orange both in the habit of their growth and in their form of bloom. Some have vigorous, upright habit of growth, forming larger shrubs, and there are many dwarf varieties, with slender, arching branches and small leaves. All are refined and beautiful, and the different varieties can be grouped together most effectively.

Binniere. Tall growing, with its long branches covered with a profusion of large semi-double snow-white flowers. 18 to 24 in., 90c.

Dame Blanche (White Lady). Small foliage and upright branches to about four feet. Semi-double fringed flowers, creamy white and very fragrant. 18 to 24 in., 90c.

Girandole. Large, full, milk-white flowers in thick clusters along the branches. Free flowering and of excellent habit. 2 to 3 ft., \$1.00.

Glacier. Very attractive double, rich cream color flowers, produced in clusters, giving the effect of one enormous flower. Matures to a height of five feet. 18 to 24 in., 90c; 2 to 3 ft., \$1.00.

Norma. Tall, upright grower. Unusually large, glossy white, single flowers in good size sprays. 18 to 24 in., 90c.

Pyramidal. Waxy white clusters of double flowers. Tall, erect and strong grower. 18 to 24 in., 90c.

Virginal. One of the most beautiful shrubs grown. A vigorous, tall grower, with very large double-crested flowers, pure white, sweet-scented, produced in clusters of five to seven. Has longest blooming season of any variety. 2 to 3 ft., \$1.00; per 10, \$9.00; 3 to 4 ft., bushy, \$1.75; 3 to 4 ft., specimens, \$2.50.

Special Offer. One each of the above six varieties of *Philadelphus*, 18 to 24 inch size, for \$4.75.

PHOTINIA

Villosa (Chinese Christmas Berry). This tree-like shrub produces one of the loveliest sights in the garden in October and early November when the foliage becomes a vivid crimson and the yellow fruits change to a brilliant red and remain on half through the winter. Of upright growth, liberally smothered in Spring with small white hawthorn-like blooms. 2 to 3 ft., 90c.

PYRACANTHA

Coccinea Lalandi (Laland Firethorn). An almost evergreen shrub allied to both the Thorn and Cotoneasters. Dwarf grown with slender branches with numerous short thorns. Small white flowers, covered in fall with bright orange-red fruit. One of the finest berried shrubs. 8 to 12 in., 3½ in. pots. \$1.50; 2 to 3 ft., balled and burlapped, \$3.50.

NEW HYBRID RUGOSA ROSES

Covin Tree. A new Rugosa Rose producing pure double white flowers continuously through the summer until frost. 2-yr., \$1.00; 4-yr., \$1.50

F. J. Grootendorst. A cross between Rugosa and the Crimson Baby Rambler. It should not be planted with the Hybrid Tea roses and such types, but it is valuable as an isolated specimen or among shrubs, or it can be used as an ever-blooming hedge. The flowers are double red, produced all summer, and the plants are perfectly hardy. 2-yr., \$1.00; per 10, \$8.00; 3-yr., \$1.25

Pink Grootendorst. A variety similar in every way to F. J. Grootendorst except that it bears its flowers of beautiful clear pink in clusters; they cover the plants the whole flowering season. The individual flowers are also somewhat larger and beautifully fringed. It is absolutely hardy. 2-yr., \$2.00

Special Offer. One each of the above three Rugosa Roses which will give continuous bloom all summer and fall. \$3.50.

ROBINIA

Hispida (Rose-Acacia). Light green locust foliage and long graceful clusters of large, beautiful, bright pink, pea-shaped blossoms. Highly ornamental. 3 to 4 ft., tree form, \$1.50; 4 to 5 ft., tree form, \$2.50.



PHILADELPHUS (Syringa) Virgina



VIBURNUM CARLESI

THREE OUTSTANDING LILAC NOVELTIES

Jan Van Tol. Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., \$3.50.

Katherine Havemeyer. Double, cobalt blue, flushed mauve; enormous flower of the most perfect shape with broad imbricated lobes. One of the handsomest Lilacs. 18 to 24 inches, \$5.00.

Mrs. Edward Harding. Double, bright carmine, big panicles of large, full flowers. This variety was awarded the special prize founded by Mrs. Edward Harding for the best double red lilac. 18 to 24 inches, \$5.00.

Special Offer. One each of the above three Lilacs for \$12.00.

SYRINGAS (Lilacs) New and Rare Varieties

***Berryer.** Double, long trusses of semi-double mauve flowers. 18 to 24 in.; 2 to 3 ft.

***Buffton.** Single; elegant cluster of flowers, mauve pink with reflexed lobes. 18 to 24 in.; 2 to 3 ft.

***Claude Bernard.** Double, a rapid-growing variety with long trusses of double or semi-double bright mauve lilac flowers; very early. 18 to 24 in.; 2 to 3 ft.

***Descartes.** Single, mauve pink, exceedingly free. 18 to 24 in.; 2 to 3 ft.

Diderot. Single, enormous panicles, one foot long, with large claret-purple flowers; very free. 18 to 24 in.

Edouard Andre. Double; clear rose or nearly pink, one of the best of this color. 18 to 24 in.

Emile Gentil. Double; large imbricated flowers, bright cobalt-blue; a very rare shade among lilacs. 18 to 24 in.; 2 to 3 ft.

Jean Mace. Double, broad, compact panicles, irregular flowers, mauve, fading to bluish, an early and very floriferous variety. 18 to 24 in.; 2 to 3 ft.

Leon Gambetta. Double, enormous trusses; very large, lilac-rose flowers, very pretty; early. 18 to 24 in.

Louvois. Single; voluminous clusters of large flowers, deep violet-purple with bluish shades. 18 to 24 in.

Maréchal Lannes. Very broad panicles of double or semi-double flowers of amazing size; bluish violet. 18 to 24 in.

***Mireabeau.** Single; mauve, the earliest of all. 18 to 24 in.

Montaigne. Double, pinkish mauve, very large clusters. 18 to 24 in.

President Faillieres. Double; immense clusters, pale lavender. 18 to 24 in.

The varieties marked * belong to a new class of Lilacs, the "Early Lilacs," a cross between one of the early flowering Lilacs and *Syringa Giraldii*; this latter Lilac has been recently introduced from China, and is remarkable for its flowering a week or two before the other sorts. A cross between it and the early flowering Lilacs, originated a new race of tall-growing lilacs which expand their flowers before the lilacs now known.

Price of above. 18 to 24 in. each, \$2.50; 3 for \$7.00; 6 for \$12.00; 2 to 3 ft., each, \$3.00; 3 for \$8.00; 6 for \$15.00. Sizes which we have to offer noted after each variety

TREE FORM LILACS

We can offer Lilacs in Tree Form, named varieties, our selection, in white or lilac-purple. 3 to 4 ft., \$2.50; 4 to 5 ft., \$3.50.

VIBURNUM

Carlesii (Fragrant V). A dwarf, compact shrub, bearing large corymbs of white blossoms of a strong, delicious fragrance, quite surpassing any shrub we know of, and equal to that of a Bouvardia. Very rare. 12 to 15 in., balled and burlapped, \$2.50; 12 to 15 in., not balled and burlapped, \$2.00; 2 to 3 ft., balled and burlapped, specimens, \$7.50.

Opulus Nanum. A very dwarf, compact form of the High Bush Cranberry, seldom attaining more than one foot in height; fine for edging and bordering. 8 to 10 in., 75c.

VAUGHAN'S NURSERY CATALOG

Listing and illustrating the most popular and meritorious ornamental shrubs, shade trees, small fruits, fruit trees, and vines, will be sent free on request.

Vaughan's Tested Farm Seeds

Our farm seeds are grown by ourselves or purchased from most reliable sources. They are re-cleaned and tested for purity and germination. Free samples will be sent to intending purchasers upon request.

Prices.—Market prices on field seeds are changing constantly and these prices are good to February 15th only. Write for quantity prices.

OATS

VICTORY OATS. Like Swedish Select in season; grain of medium size; white, broad, and nearly beardless; straw very stiff and firm; heavy yielder. Price: Peck, 50c; bu., \$1.40; 2½ bu. at \$1.30 per bu.; 10 bu. at \$1.25 per bu. Bags extra, 20c each.

VAUGHAN'S SWEDISH SELECT OATS. Pure white in color; the hull thin and the kernel large and plump; straw is stiff and short; good drought resister. Medium early and earliest of heavy yielding sorts. Price: Peck, 50c; bu., \$1.40; 2½ bu. at \$1.30 per bu.; 10 bu. at \$1.25 per bu. Bag extra, 20c each.

WHITE CROSS OATS (New) (Wisconsin Pedigree No. 19). It has all the fine qualities of States Pride, but outyields that oat. It has a larger kernel and is white instead of yellow. Its tall straw is an advantage in localities where oat straw is short. Price: Peck, 55c; bu., \$1.45; 2½ bu. at \$1.35 per bu.; 10 bu. at \$1.30 per bu. Bags extra, 20c each.

WHITE KHERSON OATS (Iowa 103). The best variety on rich heavy soils and produces crop before extreme heat. There is little loss from lodging even in most favorable season because of its short straw. It is a white selected selection of the Yellow Kherson. Extra early in season. Price: Peck, 50c; bu., \$1.40; 2½ bu. at \$1.30 per bu.; 10 bu. at \$1.25 per bu. Bags extra, 20c each.

STATES PRIDE OATS (Wisc. Pedigree No. 7). Extremely early; yields heavily; shiny, yellow oat, small but heavy, with very thin hull; exceptional feeding value; straw short and stiff; very hardy and resistant variety. Adapted to any soil. Price: Peck, 60c; bu., \$1.55; 2½ bu. at \$1.45 per bu.; 10 bu. at \$1.40 per bu. Bags extra, 20c each.

RYE

SPRING RYE, A Very Good Catch Crop. As it may be sown later than most grains sow about 1½ bu. per acre. Price: Peck, \$1.05; bu., \$3.00; 2½ bu. at \$2.90 per bu.; 10 bu. at \$2.85 per bu. Bags extra, 35c each.

WINTER RYE, Rosen. Peck, 95; bu., \$2.65; 2½ bu. at \$2.55 per bu.; 10 bu. at \$2.50 per bu. Bags extra.

Vaughan's Brand Bird Products

Prices all postpaid

Vaughan's Recleaned Bird Seed

Composed of Rape and Canary seeds mixed properly to keep the birds in health and song. 1-lb. pkg., 30c. **VAUGHAN'S BIRD FOOD.** A song food; fed to your bird once or twice a week will keep it healthy and full of song. Large bottle 30c.

VAUGHAN'S BIRD TONIC, recommended for birds in rundown condition, with colds, etc. Bottle, 25c.

VAUGHAN'S BIRD LICE AND MITE POWDER can be used for bird or cage. Package, 20c.

VAUGHAN'S CUTTLE BONE should be in the bird's cage at all times. Each, 10c.

VAUGHAN'S BIRD GRAVEL. A clean washed gravel. 2-lb. package, 20c.

VAUGHAN'S ZENITH SONG RESTORER. For birds rundown. Loss of song during moulting. Package, 15c.

VAUGHAN'S BIRD LIFE BALL. Hung in cage acts as a tonic and food. 15c each, 2 for 25c.

VAUGHAN'S MOULTING FOOD. Will produce feathers quickly and keep the bird in song. Pkg., 25c.

VAUGHAN'S CANARY CHARCOAL. Regular feeding will keep the birds' bowels and digestive organs in good condition. Pkg., 20c.

VAUGHAN'S HEMP AND PEPPER. Pkg., 20c.

VAUGHAN'S BIRD NESTING. 15c.

VAUGHAN'S BIRD SALVE, for cuts or bruises and scaly legs. Pkg., 15c.

VAUGHAN'S BIRD GRIT, fed regularly aids digestion. 2-lb. pkg., 20c.

COLOR FOOD. Pkg., 30c.

BIRD WASH. Bottle, 30c.

SPECIAL BIRD SEED MIXTURE. A balanced ration, contains a variety of seeds, 1-lb. pkg., 35c.

Aquarium Shells

WHITE SHELLS. Pkg., 20c.

COLORED SHELLS. Pkg., 30c.

PEARL CHIPS. Pkg., 20c.

COLORED CHIPS. Pkg., 20c.

Fish Food

NATURAL FISH FOOD. Pkg., 15c.

SHRIMP FISH FOOD. Pkg., 20c.

WAFER FISH FOOD. Pkg., 20c.

We carry a complete stock of birds and cages; goldfish and aquariums. Write for prices.

MILLETS

COMMON. Price: Bu., \$3.25; 100 lbs., \$5.50. Bags 35c each extra.

HUNGARIAN. Heavy growth of excellent hay. Can be sown as late as July. Price: Bu., \$3.60; 100 lbs., \$6.50. Grain bags 35c each extra.

GERMAN. Not quite so early as the common. We offer only the fanciest Tennessee grown seed, which runs truer to type than the Southwestern grown seed. Price: Bu., \$3.35; 100 lbs., \$5.75. Bags 35c each extra.

WHITE WONDER. It is earlier and gives heavier yield of grain and fodder than the others, and is just as hardy. Price: Bu., \$3.35; 100 lbs., \$5.75. Grain bags 35c each extra.

JAPANESE MILLET. Entirely distinct. It grows 6 ft. high and yields 10 tons green fodder per acre. Makes an excellent hay, and a much relished green fodder. Cure as you would a heavy crop of clover. May be sown from middle of May to 1st of July, if broadcast, 15 lbs. to acre, but it is better to sow in rows 12 or 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds. Price: Lb., 25c; 5 lbs., 90c; 10 lbs., \$1.60; 50 lbs., \$6.50; 100 lbs., \$12.00. Grain bags 35c each extra.

FLAX SEED. Resistant variety. Fancy re-cleaned seed. Dakota grown. Peck, \$1.55; bu., \$4.55. Bags extra; 35c each.

SPRING EMMER (Incorrectly called "Speltz"). Semi-hardy, it can be sown very early in spring like oats. Best in dry prairie regions with hot summers. Succeeds on poor soil. Better drought and rust resister than oats or barley and yields better. Sow 2½ bu. to acre. Lb., 20c (by mail, 25c); 50 lbs., \$2.50; 100 lbs., \$4.00. Bags 35c each extra.

DWARF ESSEX RAPE. A rank grower and should have heavy manuring as well as light cultivation. Any corn soil will grow rape. Sow seed by end of June. If soil is rich and clean, sow broadcast; if not, sow in drills and cultivate as for corn. Broadcasted use 5 lbs. to 10 lbs.; in drills or with spring grain, 2 lbs. to the acre. Holland grown (Winter sowing rape). Lb., 25c; 5 lbs., 75c; 10 lbs., \$1.30; 100 lbs., \$9.00. Jute bag included.

SUNFLOWER—MAMMOTH (Russian). Used in Poultry and Parrot feeds. Fancy domestic seed suitable for sowing. Sow about 8 lbs. to acre. Oz., 5c; lb., 25c (by mail, 30c); 5 lbs., 95c; 10 lbs., \$1.70; 25 lbs., \$3.75; 100 lbs., \$13.00. Bags included.

BARLEY

WISCONSIN PEDIGREE BARLEY. By far the best six-rowed variety of barley and only one worth considering. Developed from famous Oderbrucker strain and is tall growing with plump grain, very stiff straw and large, well filled heads. Price: Peck, 60c; bu., \$2.00; 2 bu. at \$1.95 per bu.; 10 bu. at \$1.90 per bu. Bags extra, 20c each.

WHITE HULLESS BARLEY. Strictly a feeding sort with grain like wheat, almost equal in feeding value, but yield nearly twice as large as wheat. Heavy straw, good leaves and cut green makes good hay. This variety never runs entirely true to type. Price: Peck, \$1.00; bu., \$3.60; 2 bu. at \$3.50 per bu.; 10 bu., for \$34.50. Bags extra, 20c each.

WHEAT—SPRING

MARQUIS. It is earlier than any other spring wheat and outyields other varieties. It is the preferred wheat in the Northwest spring wheat district. Marquis is a hard red spring wheat with thick plump grain. It is a beardless wheat with strong straw. Write for quantity prices. Price: Peck, \$1.10; bu., \$3.50; 2 bu. at \$3.40 per bu.; 10 bu. at \$3.35 per bu. Bags extra.

MACARONI OR DURUM. Very good in dry districts and very resistant to extremes of weather. Price: Peck, \$1.10; bu., \$3.50; 2 bu. at \$3.40 per bu.; 10 bu. at \$3.35 per bu. Bags extra, 35c each.

BUCKWHEAT

Sow between June 10th and July 10th—one bushel to the acre. On worn out soils a plowed-under buckwheat crop is a good fertilizer and improver.

JAPANESE. About a week earlier than Silver Hull and heavy yielding. Price: Peck, 60c; bu., \$1.80; 100 lbs., \$3.65. Bags, price, 35c each extra.

SILVER HULL. Very prolific and early and a favorite because of the white flour it produces. Price: Peck, 55c; bu., \$1.70; 100 lbs., \$3.45. Grain bags 35c each extra.

Early Corn

Madison Yellow Dent

Grown by us on our Central Michigan farm. For the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan, this, we believe, is the best corn ever introduced. It matures in 100 to 106 days of ordinary corn growing weather, and is a magnificent yielder. The ears are a little smaller than Reid's Yellow Dent, but resemble that sort otherwise; they are 8½ inches long, and have 16 rows of deep set kernels arranged close together in even rows, but with space enough to permit drying. Price, ½ pk., \$1.15; pk., \$2.10; bu., \$6.50. Selected, shelled and graded.

Golden Glow—Wisconsin No. 12

Is a fine product of "Minnesota No. 13," crossed with "North Star." Very early and develops ears 8 inches in length, Wisconsin and Minnesota-grown, fire-dried stock. Selected, shelled and graded, ½ pk., \$1.15; pk., \$2.10; bu., \$6.50.

Pride of the North

This is the most extensively planted Yellow Dent corn in Northern Illinois and Iowa. It is a standard early, and the seed which we offer is grown in Eastern Nebraska. Nebraska-grown, ½ pk., 65c; pk., \$1.10; bu., \$3.50.

Minnesota No. 13 (Wisconsin No. 8.)

A heavy yielding, very early Yellow Dent corn; matures in 90 days of corn-growing weather. This variety grows to a height of 8 feet on good soil and furnishes a great amount of fodder. Although not yet as well bred as Madison Dent, it is about 10 days earlier. Michigan-grown. Selected, shelled and graded. ½ pk., \$1.10; pk., \$2.00; bu., \$6.00. Nebraska-grown, shelled and graded, ½ pk., 70c; pk., \$1.25; bu., \$3.50.

Silver King—or Wisconsin No. 7

Ears a good cylindrical shape, about 8 inches long. This is an excellent corn for Central and Southern Wisconsin. Wisconsin-grown, fire-dried, high germination. Shelled and graded, ½ pk., \$1.20; pk., \$2.25; bu., \$7.00.

Extra Early Flint Corn

Flint Corns are grown in the colder sections of the corn belt as they are earlier than the Dent type.

LONGFELLOW FLINT—A beautiful cob of rich glossy yellow and very long—10 to 15 inches. The stalks grow to the height of 7 to 7½ feet and the ears are borne about 3 feet from the ground. Shelled, ½ pk., 80c; pk., \$1.35; bu., \$4.50.

Vaughan's

PLANT corn suited to your locality. Seed corn produces best results when planted under similar climatic and soil conditions under which it was originally raised. We state plainly where each variety was grown.

Our seed corn is grown by expert growers in the localities where each variety is at its best. Short or medium crop seeds all grown in the North, while main crop sorts are grown in sections where they reach their full maturity and development. The science of corn breeding develops more every year,

Fodder Corn

Fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder. Sweet corn is used in most dairy regions.

SWEET FODDER—Nothing better for summer and fall green feed, or curing for winter. Pk., \$1.35; bu., \$4.50.

RED COB ENSILAGE or FODDER—Has a deep red cob, strong leafy stalks and short joints. Southern-grown, pk., 85c; bu., \$2.50.

VIRGINIA MAMMOTH WHITE HORSE TOOTH—Small stalk, vast quantity foliage, short joints, kernels large and white. Pk., \$1.20; bu., \$3.75.

Pop Corn—Selected Ears for Seed

All Pop Corn Prices Prepaid on 1 Pound or Less

BLACK BEAUTY Extra early variety which pops very large and is the most tender and crisp of all. It pops a pearly white. Extremely early, ripening so it may be popped the same year as grown, without kiln drying. Pkt., 10c; lb., 40c; 5 lbs., 95c; 10 lbs., \$1.50.

QUEEN'S GOLDEN. It pops perfectly white, and a single kernel will expand nearly one inch. Pkt., 10c; lb., 40c; 5 lbs., 95c; 10 lbs., \$1.60.

JAPANESE DWARF RICE. Very tender and almost hulless. Ears short and chunky. Heavy yielder. Pkt., 10c; lb., 40c; 5 lbs., 90c; 10 lbs., \$1.60.

BABY GOLDEN (New). A hulless yellow Dwarf Rice. Pkt., 10c; lb., 40c; 5 lbs., \$1.00; 10 lbs., \$1.75.

Price of both of the following kinds. Pkt., 5c; lb., 35c; 5 lbs., 90c; 10 lbs., \$1.50.

WHITE RICE. Most popular, grain pointed, pops white, and full.

MAPLEDALE PROLIFIC. A great yielder, it pops pure white.

Vaughan's Alfalfa, Clovers, Legumes

Market Fluctuates—These prices hold until FEBRUARY 15th only. Write for prices and samples. Samples given free with tests of purity and germination, to prospective buyers.

Alfalfa

ESSENTIALS FOR SUCCESS

- I. A well drained soil. "Wet feet" kills alfalfa.
- II. Well prepared land—free of weeds by constant cultivation after plowing to seeding time.
- III. Drill seed if possible or cover by dragging.
- IV. Inoculate land by one-half wagon load of soil from old alfalfa field or soil at roots of wild sweet clover or use Nitragin (see below).
- V. If practical, lime the soil before planting.
- VI. Use acclimated seed.
- VII. In the Central States sow June to Middle of July. In spring sowing with grains, barley is the most successful nurse crop.

GRIMM ALFALFA. The strain that leads all others in adaptability and hardiness.

Certified Idaho Grimm. comes from fields that are inspected and certified by the state. The seed is bagged and sealed under state supervision. Prices: Lb., 60c (by mail, 65c); 5 lbs., \$2.50; 10 lbs., \$4.80; bu., \$26.90; 100 lbs., \$44.00. Bags 35¢ each extra.

Genuine Montana Grimm Alfalfa, certified by grower's affidavit. Price: Lb., 60c (by mail, 65c); 5 lbs., \$2.50; 10 lbs., \$4.80; bu., \$26.90; 100 lbs., \$44.00. Bags 35¢ each extra.

DAKOTA GROWN DRY LAND ALFALFA. Considered the hardest of all strains of common Alfalfa. Lb., 50c (by mail, 55c); 5 lbs., \$2.00; 10 lbs., \$3.85; bu., \$21.20; 100 lbs., \$34.50. Bags 35¢ each extra.

MONTANA GROWN ALFALFA. Very hardy, considered practically the equal of the Dakota seed. Lb., 50c (by mail, 55c); 5 lbs., \$2.05; 10 lbs., \$3.85; bu., \$21.20; 100 lbs., \$34.50. Bags 35¢ each extra.

NORTHWESTERN-IDAHO GROWN ALFALFA. This seed is from the intermountain section and for use in the moderately cold sections. Price: Lb., 40c (by mail, 45c); 5 lbs., \$1.65; 10 lbs., \$3.15; bu., \$17.00; 100 lbs., \$27.50. Bags 35¢ each extra.

KANSAS GROWN FANCY SEED. Prices: Lb., 40c (by mail, 45c); 5 lbs., \$1.60; 10 lbs., \$3.05; bu., \$16.40; 100 lbs., \$26.50. Grain bags holding about 150 lbs., 35¢ each extra.

Seed Corn

and our seed is grown by men informed on the newest and most successful methods of breeding.

Several of the early varieties of corn are grown on our own farms in Michigan under the supervision of an expert plant breeder.

The corn is field sorted, put in crates, and then racked, each ear separately to insure even drying. In years when moisture content is too great, artificial heat is used to put the corn in perfect condition.

Our seed is all carefully tested.

Sorghums

VAUGHAN'S EARLY AMBER CANE. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as sugar cane. Sow 60 pounds to the acre. Drill 20 lbs. per acre.

Northern Seed, Lb., 25c (by mail, 30c); 5 lbs., 70c; 10 lbs., \$1.20; 50 lbs., \$4.50; 100 lbs., \$8.00; bags free.

Southern Seed (for fodder), 1 lb., 20c (by mail 25c); 5 lbs., 60c; 10 lbs., \$1.00; 50 lbs., \$3.10; 100 lbs., \$6.25; bags free.

KAFFIR CORN—One of the best forage plants. Preferred by some to cane. Grows 4 to 5 feet high. For fodder sow 40 lbs. per acre broadcast. Lb., 15c; 5 lbs., 55c; 10 lbs., 95c; 50 lbs., \$3.25; 100 lbs., \$5.50.

IMPROVED EVERGREEN BROOM CORN—The most popular variety in the western broom corn-growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre.

Illinois-Grown, Lb., 30c (by mail, 35c); 5 lbs., \$1.05; 10 lbs., \$1.90; 50 lbs., \$8.00; 100 lbs., \$15.00; bags free.

OKLAHOMA DWARF BROOM CORN—An extra early sort. Height, 5 feet. Western. Price, Lb., 20c (by mail, 25c); 5 lbs., 70c; 10 lbs., \$1.25; 50 lbs., \$4.75; 100 lbs., \$8.50; bags free.

MILO MAIZE—Yellow variety of sorghum, non-saccharine. Plant in 3-foot rows and cultivate as corn, 3 to 5 lbs. per acre. 5 lbs., 60c; 10 lbs., 95c; 50 lbs., \$3.25; 100 lbs., \$5.75.

FETERITA—Earliest of the drought resisting sorghums. Price, Lb., 20c (by mail, 25c); 5 lbs., 60c; 10 lbs., \$1.00; 50 lbs., \$3.50; 100 lbs., \$6.00; bags free.

TIMOTHY

Timothy demands good, rich, rather heavy land. Sow 15 to 20 lbs. per acre, alone; with clover: Timothy, 12 lbs.; Red Clover, 3 lbs.

Vaughan's Fancy seed (99.5% pure or better). 1 lb., 25c (by mail, 30c); 5 lbs., 70c; 10 lbs., \$1.20; bu., \$4.20; 100 lbs., \$8.25. Bags 35¢ each extra.

RED CLOVER

MEDIUM RED CLOVER. We do not handle imported clover. Fancy, Lb., 55c (by mail, 60c); 5 lbs., \$2.30; 10 lbs., \$4.40; bu., \$24.50; 100 lbs., \$40.00. Grain bags 35¢ each extra.

MAMMOTH RED CLOVER. A larger, heavier growth than Medium Red, but coarser as hay. Flowers later, is harder and not so liable to winter kill as Medium Red. **Fancy seed.** Lb., 55c (by mail, 60c); 5 lbs., \$2.35; 10 lbs., \$4.50; bu., \$25.10; 100 lbs., \$41.00. Grain bags 35¢ each extra.

SWEET CLOVER

WHITE BLOSSOM—BIENNIAL. On wornout or poor soils anywhere and on good farm lands in dry sections. Resistant to extreme heat and cold. Cut before getting too large, makes good hay. Sow in spring or fall. Our seed is scarified. Lb., 25c (by mail, 30c); 5 lbs., 95c; 10 lbs., \$1.65; bu., \$8.00; 100 lbs., \$12.50. Grain bags 35¢ each extra.

GRUNDY COUNTY SWEET CLOVER. An extra early type of the common White Blossom, biennial; finer and leafier and easier to handle—more like Alfalfa. Well worth trying. Lb., 28c (by mail, 33c); 5 lbs., 95c; 10 lbs., \$1.70; bu., \$8.45; 100 lbs., \$13.25. Bags 35¢ each extra.

HUBAM—Annual White Blossom Sweet Clover. Sown in early spring on winter wheat or rye or with spring-sown small grain, early varieties. After oats are cut the Hubam, even after being topped a little, comes in rapidly, producing good crop of hay or seed. As a catch crop it is valuable sown alone any time in spring up to July. Wonderful for bees. Lb., 50c (by mail, 55c); 5 lbs., 32c; 10 lbs., \$3.85; bu., \$21.20, 100 lbs., \$34.50. Grain bags 35¢ each extra.

Reid's Yellow Dent Northern grown. Ten days earlier than the Standard Type. Differs from the Standard Type only in running slightly smaller and with larger cobs. Can be used in Cool County and westward. Shelled and graded, ½ pk., \$1.00; pk., \$1.90; bu., \$5.50.

Boone County White The best type of the White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. Requires about 120 days good corn weather. This variety is also known as Johnson County White in Indiana. Shelled and graded, ½ pk., 95c; pk., \$1.75; bu., \$5.75.

Iowa Silver Mine One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. In good corn weather ripens in 110 days. Nebraska-grown, shelled and graded, ½ pk., 70c; pk., \$1.25; bu., \$3.75.

Reid's Yellow Dent Standard type, pedigree seed. For Southern Iowa, Central Illinois (see Northern Grown Reid's for North Central Illinois), Central Indiana, Kansas, Missouri and Nebraska this is the most satisfactory Yellow Dent Corn to grow. Matures in about 115 days in Central Illinois. Shelled and graded, ½ pk., \$1.00; pk., \$1.80; bu., \$5.50.

Leaming Improved Great adaptability to various soils and other influences. Ripens in 100 to 110 days under favorable conditions in central corn belts. Used for ensilage in New York and New England. It is one of the best fodder varieties. Nebraska-grown, shelled, ½ pk., 70c; pk., \$1.25; bu., \$3.75.

Gold Mine A Yellow Dent similar in its general characteristics to the Silver Mine. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska. ½ pk., 70c; pk., \$1.25; bu., \$3.75.

SUDAN GRASS—Of value particularly in the dry Middle West, as a drought-resisting hay crop. In the Eastern and Central Northern sections as a substitute for millet, as the crop is larger and has better feeding value. Price, Lb., 25c (by mail, 30c); 5 lbs., 75c; 10 lbs., \$1.30; 50 lbs., \$4.85; 100 lbs., \$8.75; bags free.

ALSIKE CLOVER

Thrives well on damp soils where Red Clover does not catch. Heavy yielder. Sown alone, 5 or 6 lbs. per acre in spring. Lb., 50c (by mail, 55c); 5 lbs., \$2.10; 10 lbs., \$4.05; bu., \$22.40; 100 lbs., \$36.50. Bags 35¢ each extra.

CRIMSON CLOVER

Annual. Grown in East and South for green manure crop. Sow in August or September. Lb., 40c (by mail, 45c); 5 lbs., \$1.55; 10 lbs., \$2.90; bu., \$15.50; 100 lbs., \$25.00. Grain bags 35¢ each extra.

WHITE CLOVER

Will stand more grazing than any other clover. Growth too short for hay. Sow in fall or spring, 4 to 8 lbs. per acre. Extra Fancy, Lb., 75c (by mail, 80c); 5 lbs., \$3.60; 10 lbs., \$6.90; bu., \$36.90; 100 lbs., \$60.00. Grain bags 35¢ each extra.

SOY BEANS

An ideal crop for turning under to improve worn-out soils. Should be cut for hay before the stems become too woody. North of Chicago we would advise using Northern grown seed. Sow in June at the rate of 30 to 45 lbs. per acre and in drills 30 inches apart. Bags free.

ITO SAN (Medium Early Yellow). Peck, \$1.35; bu., \$4.35; 100 lbs., \$6.75.

MANCHU. Michigan grown. Peck, \$1.20; bu., \$3.85; 100 lbs., \$6.25.

MAMMOTH YELLOW. Southern grown seed. Peck, \$1.30; bu., \$4.20; 100 lbs., \$6.50.

VETCH

WINTER, SAND or HAIRY VETCH (*Vicia Villosa*). The winter cover crop. Sown in Northern States in the fall months; remains green all winter. Prevents washing or leaching of soil and at the same time being a nitrogen gatherer, enriches the soil; also very valuable for hay or pasture. Drill for cover crop 10 to 12 lbs. per acre. For hay use one bushel per acre. Domestic seed, Lb., 35c (by mail, 40c); 5 lbs., \$1.15; 10 lbs., \$2.10; bu., \$10.70; 100 lbs., \$17.00. Grain bags 35¢ each extra.

CANADA FIELD PEAS

CANADA FIELD PEAS. Valuable in Northern States for soiling and feed. Sow broadcast, 2 bushels per acre—if sown with oats use a bushel with 1 ½ bushels oats. Lb., 20c (by mail, 25c); 5 lbs., 70c; 10 lbs., \$1.20; bu., \$5.15; 100 lbs., \$7.75; 1000 lbs., \$74.00. Bags included.

PEANUTS

SPANISH. Earliest variety, maturing in about 100 days and very sweet and fine flavored. Pkt., 10c; lb., 35c; 5 lbs., \$1.20; 10 lbs., \$1.90.

MAMMOTH VIRGINIA. Somewhat later than the Spanish—with large kernels. Pkt., 10c; lb., 40c; 5 lbs., \$1.40; 10 lbs., \$2.30.

FARM-O-GERM

Is a standard brand of the jelly legume cultures made by the Earp-Thomas Corporation, one of the oldest manufacturers in this line. It is particularly valuable, as it retains its life longer than other cultures due to a patented stopper. We can supply cultures for all various legumes—alfalfa, clover, cow peas, soy beans, sweet peas, etc. For small seed, clover, etc., ¼ bu., 35c; ½ bu., 60c; bu., \$1.00; 2½ bu., \$2.25. For large seed, soy beans, etc., ½ bu., 35c; bu., 60c; 5 bu., \$2.25. Garden size for beans, peas, sweet peas, 2½c; stimulant trial size, 15c; small, 25c; medium, 55c; pail of 1000 tablets, \$3.50.

NITRAGIN—Pure Culture

THE IMPROVED GERMAN SOIL INOCULATOR NOBIE-HILTNER PROCESS

NITRAGIN

PURE CULTURE
THE SIMPLEST, EASIEST AND MOST EFFECTIVE FORM OF SOIL INOCULATION FOR ALL LEGUMES AWARDED GOLD MEDAL ST. LOUIS SHOW

Time, money and effort are wasted trying to grow legumes without inoculation. A legume inoculating material manufactured under a late German (Nobie-Hiltner) Process. We believe this the best of the many Nitrogen Bacteria Cultures. "Nitragin Pure Culture" is put up in round tin cans, in three sizes—garden, one-half bushel and one bushel. Full directions for use with each can. We can offer cultures for all the different legumes, including Alfalfa, Clover, Cow Peas, Soja Beans, Vetches, etc.

For Peas and Beans—Garden size, 20c. For Alfalfa Clovers, Peas and Beans. ¼ bu., 40c; ½ bu., 60c; 1 bu., \$1.00; 5 bu., \$4.75.

For Soy Beans and Cow Peas. ½ bu., 40c; 1 bu., 70c; 5 bu., \$2.50.

Books on Garden Subjects

Prices quoted below include postage, and are subject to change without notice.

Asparagus Culture.	F. M. Hexamer.	Illustrated.	Cloth; 174 pages.....	\$1.00
Bulbs, The Book of Spring, Summer, Fall, and Winter.	Flowering bulbs and lilies.	By F. F. Rockwell.	Illustrated.....	3.10
Bulbs and Tuberous Rooted Plants.	Allen.	Cloth.....	2.10	
Bulbs That Bloom in the Spring.	By T. A. Weston.	144 pages.	Paper Cover, \$1.65; Cloth Cover.....	2.10
Bush Fruit Production.	By Fred W. Cord.	Illustrated.	411 pages.....	2.60
Celery Manual.	Vaughan's.	Paper .....	.50
Chrysanthemum, The.	By Arthur Herrington.	Cloth; 160 pages.....	1.00	
Climbing Plants, A Little Book Of.	By Prof. Alfred C. Hottes.	Cloth..	1.90	
Cook Book.	Vaughan's Vegetable.	Paper, 30c; cloth.....	.60	
Cyclopedia. Bailey's New Standard of Horticulture.	3 Volumes.	3639 pages.....	25.00	
Dahlia Culture, Little Book of Modern.	By W. H. Waite.	126 pages. Cloth.....	1.65	
Design of Small Properties.	By Bottomley.	Illustrated.	233 pp.....	3.10
Farm and Garden Rule-Book.	Bailey.	Very useful for fruit growers, truck gardeners, farmers, florists, etc.	Cloth; 537 pages.....	3.10
Fertilizers.	By Prof. E. B. Vorhees.	Cloth; 335 pages.....	2.60	
Floriculture.	Practical.	Henderson.	Cloth; 320 pages.....	2.10
Floriculture, Commercial.	By Fritz Bahrs.	.....	5.50
Fruit Growing, The Principles of.	L. H. Bailey.	Cloth; 514 pages.....	2.60	
Gardening for Pleasure.	Henderson.	Cloth; 398 pages.....	2.10	
Gardening for Profit.	By Peter Henderson.	376 pages	2.10	
Gardener, The.	By L. H. Bailey.	260 pages.....	2.10	
Gladiolus, The Book of.	Illustrated.	120 pages; cloth	1.50	
Greenhouse Construction.	L. R. Taft.	Illustrated.	Cloth; 208 pages.....	2.35
Greenhouse Management.	L. R. Taft.	Illustrated.	Cloth; 375 pages.....	2.35
Insects and Insecticides.	By C. M. Weed.	Illustrated.	334 pages.....	1.80
Iris, The.	By Wister.	Cloth; 128 pages.....	1.35	
Landscape Gardening, Practical.	By Cridland.	Illustrated.	Cloth; 276 pages.....	2.65
Landscape Gardening, Book of.	Waugh.	New, Illustrated.	Cloth; 220 pages.....	2.10
Landscape, The Complete Home.	By A. J. Jennings.....	2.65		
Manual of Gardening.	By L. H. Bailey.	Illustrated.....	3.10	
Manures, Methods of Making.	By Bonner.	Paper; 83 pages.....	.45	
Milady's House Plants.	By F. E. Palmer.	Illustrated.	Cloth.....	1.35
Mushroom Growing.	By B. M. Duggar.	Illustrated.	Cloth; 250 pp.....	2.10
Mushrooms, How to Grow Them.	Falconer.	Cloth; 160 pages.....	1.70	
Nursery Manual, The.	By L. H. Bailey.	Illustrated.	Cloth; 12 mo.....	2.60
Peony, The.	Illustrated.	By C. S. Harrison.	Paper; 69 pages.....	.30
Peony in the Little Garden.	By Mrs. Edward Harding.	.....	1.80
Perennials, Little Book of.	By Hottes.	Cloth.....	1.65	

Plant Culture.	By Geo. W. Oliver.	Propagator in the Bureau of Plant Industry, Dept. of Agriculture, Washington, D.C. 4th edition.	444 pages	\$3.65
Plant Propagation.	Greenhouse and Nursery Practice.	Cloth; 322 pages	2.35	
Pruning Manual, The.	By L. H. Bailey.	Illustrated.	545 pages.....	2.60
Rock Gardening, A Simple Guide To.	By Sir James L. Cotter.	128 pages.....	1.10	
Roses for all American Climates.	By Thomas.	Illustrated.	Cloth. 251 pages.....	3.10
Roses and Their Culture.	S. C. Hubbard.	127 pages.....	1.35	
Shrubs.	By Rockwell.	Illustrated.	Cloth. 76 pages.....	1.10
Strawberry, The.	Samuel Fraser.	Very complete.....	1.35	
Tomato Production.	Paul Work.	New Book.....	1.35	
Turf for Golf Courses.	Care Fertilizers, Turf Grass, Soils, etc.	By Oakley. Illustrated.	262 pages.....	2.60
Vegetable Forcing.	By Watts;	400 pages; profusely illustrated.	Cloth.	2.60
Vegetable Gardening.	By Watts;	illustrated; covers every phase of vegetable gardening; cloth.....	2.60	
Vegetable Garden.	Vaughan's.	Paper.....	.20	

A Little Book of Annuals

By Alfred C. Hottes

Contents:—The Uses of Annuals; Ordering Seeds; Classes of Annuals; Seed Sowing; Transplanting; Pinching; The Hoe vs. The Hose; Watering vs. Sprinkling; Annuals and Shades; Fall Sowing and Self-Sown Annuals; Hotbeds and Coldframes; Annual Flowers and Their Uses. Beautifully bound in green cloth. 116 pages, numerous illustrations.....

Around the Year in the Garden

By Frederick F. Rockwell

Written by a practical amateur grower for the busy man or woman who must use every hour in the garden to the best advantage. The book tells the work to be done with flowers, fruits, vegetables and lawn through each week of the year, and just how to get results. 350 pages. Illustrated. $5\frac{1}{4} \times 7\frac{1}{4}$ inches. Cloth.....

Garden Guide

A complete handbook for the amateur gardener. Contents: Planting the Home grounds; Lawns and Grass Plots; Trees and Shrubs; The Rose Garden; Hardy Perennials; Annuals and Biennials; Bulbs; The Rock Garden; Porch Plants; The Vegetable Garden; Fruit for the Small Garden; Fertilizers; Pruning; Winter Protection; Greenhouses; Hotbeds; Frames; Calendar of Garden Operations; Birds in the Garden. 384 pages and over 275 technical illustrations, with beautiful cover in four colors. Paper, \$1.10; cloth \$1.65

1001 Garden Questions Answered

By Prof. Alfred C. Hottes

A unique guide book of garden operations for each day, answering thoroughly and in an easily understood manner over 1,000 questions on the growing and care of flowers, fruits, vegetables, trees, shrubs, lawns, etc.; in fact, every phase of home gardening. 320 pages, well illustrated and carefully indexed. Paper, \$1.65; cloth \$2.10

For complete list and descriptions write for our book leaflet.

Basket-Making Materials

On all following Basketry materials add postage to your order if to go by parcel post.

RAFFIA FIBRE FOR BASKETS, ETC.

The Raffia which we import is the finest grade to be obtained and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green, navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Natural, Best Grade, bunch, about 2 oz.....	\$0.15
" " " per lb.....	.50
" " " 5-lb. lots, per lb.....	.45
Colored, bunch, about 1 oz.....	.15
" per lb.....	1.00
" 5-lb. lots, per lb.....	.95
Mixed Colors, bunch, about 1½ oz.....	.15
" " " per lb.....	.80
Needles, for Raffia Work, per package.....	.15

BASKET BOOKS

Basket Making.	Morse.	Paper, 70 pages, illustrated. For beginners.....	.50
How to Make Baskets	is the title of a very instructive work.	By Mary White. Bound in cloth, 194 pages, illustrated.....	1.75
Practical Basketry.	Gill.	167 pages. Illustrated	1.50

BASKET BOTTOMS

Veneered Basket Bottoms for Reed weaving. Made exceptionally well of 3 and 5-ply panels. Well sanded and holes properly bored to fit uprights.

	Each Doz.	Each Doz.	Each Doz.
3-inch Round.....	\$0.06	\$0.65	\$0.32
4-inch "	.08	.90	.38
5-inch "	.10	1.10	.60
6-inch "	.12	1.35	.65
8-inch "	.17	1.95	.85
10-inch "	.25	2.85	1.10
12-inch "	.30	3.40	1.35
3x6-inch Oval.....	.12	1.35	.75
4x8-inch "	.18	2.05	1.00
6x10-inch "	.25	2.85	1.25
8x14-inch Oval.....			\$3.70
10x16-inch "			4.40
12x20-inch "			6.95
3-inch Square.....			.65
5-inch "			1.10
6-inch "			1.35
8-inch "			1.95
10-inch "			2.85
12-inch "			3.40

REEDS

Since the recent awakening to the importance of basketry, Reed has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

Sample card mailed upon request.

	Bunch	½ Lb.	Lb.	Per Lb.
No. 1.....	\$0.15	\$0.68	\$1.30	\$1.25
No. 2.....	.15	.63	1.20	1.15
No. 3.....	.15	.58	1.10	1.05
No. 4.....	.15	.55	1.00	1.00
No. 5.....	.15	.53	1.00	.95
No. 6.....	.15	.53	1.00	.95
No. 7.....	.15	.50	.95	.90
Flat Reed, ¾-inch.....	.15	.50	.95	.90
Split Reed, No. 6.....	.15	.50	.95	.90

Vaughan's High Grade Fertilizers

PRICES F. O. B. NEW YORK.

VAUGHAN'S BALANCED PLANT RATION (5-8-7)

Five per cent ammonia (nitrogen); eight per cent phosphates; seven per cent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash) which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as in our opinion the best balanced fertilizer for all around use in the home garden. It contains in plentiful proportion the chemical elements known to influence plant growth. It is admitted that there is much about plant food which is unknown to us; and florists and gardeners of long experience prefer fertilizers of organic origin where they can get them. Mineral fertilizers may give exactly the same chemical formula, and are in fact more readily soluble, but it may be that organic matter contains beneficial factors as yet unidentified which contribute to vigor and health in plants. While not as free from odor as mineral fertilizers, Vaughan's Balanced Plant Ration is thoroughly sterilized and when stored in a detached shed, and handled in the open air, is in no way objectionable.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 55c; 10 lbs., \$1.00; 25 lbs., \$1.65; 50 lbs., \$2.60; 100 lbs., \$4.35; 500 lbs., \$18.50; 1,000 lbs., \$35.00; 2,000 lbs., \$63.50.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions.

Price, 25 lb. bag, \$2.00; 150 lbs., \$10.50. Write for booklet.

Sulphate of Ammonia. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet.

Price, 25 lbs., \$2.35; 50 lbs., \$4.00; 100 lbs., \$7.00; 500 lbs., \$28.50.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards.

Price, 25 lbs., \$1.20; 50 lbs., \$1.75; 100 lbs., \$2.85; 500 lbs., \$11.50; 1,000 lbs., \$20.00; 2,000 lbs., \$35.25.

Bone and Blood. Tannage 9%. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 500 lbs. per acre.

Price, 25 lbs., \$1.65; 50 lbs., \$2.95; 100 lbs., \$5.35; 500 lbs., \$22.50; 1,000 lbs., \$42.00; 2,000 lbs., \$81.00.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia, 4½ per cent; total phosphoric acid, 22 per cent; bone phosphate, 48 to 54 per cent.

Price, 5 lbs., 55c; 10 lbs., \$1.00; 25 lbs., \$1.80; 50 lbs., \$3.00; 100 lbs., \$5.00; 500 lbs., \$21.50; 1,000 lbs., \$38.50; 2,000 lbs., \$71.50.

REGULAR BONE MEAL.—Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.75; 500 lbs., \$20.50; 1,000 lbs., \$37.00; 2,000 lbs., \$68.50.

Dried Blood. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants.

Price, 100 lbs., \$9.00; 500 lbs., \$38.50; 1,000 lbs., \$74.50; 2,000 lbs., \$145.00.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins.

Price, 100 lbs., \$4.30; 500 lbs., \$18.40; 1,000 lbs., \$34.75; 2,000 lbs., \$67.50.

Clay's Fertilizer. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil as a top-dressing.

Price, 7 lbs., \$1.30; 14 lbs., \$2.25; 28 lbs., \$3.90; 56 lbs., \$7.25; 112 lbs., \$13.50.

Acid Phosphate. Sixteen per cent available. Bone phosphate the most requiring an excessive amount of phosphoric acid.

Price, 25 lbs., \$1.25; 50 lbs., \$1.75; 100 lbs., \$2.65; 500 lbs., \$11.00; 1,000 lbs., \$19.25; 2,000 lbs., \$33.00.

SPECIAL TRUCK AND FARM MANURE 5-8-3

This is a good grade of concentrated Manure, suitable for lawns and flowers as well as vegetables mentioned below. It is of exceptional value and will prove a money maker to every farmer or gardener who uses it.

Price, 25 lbs., \$1.40; 50 lbs., \$2.30; 100 lbs., \$4.10; 500 lbs., \$16.75; 1,000 lbs., \$32.50; 2,000 lbs., \$54.50.

THOMPSON'S "SPECIAL" TOP-DRESSING MANURE.

Also called "Chrysanthemum" Manure. An excellent stimulating manure for top dressing for Chrysanthemums and similar plants. It is entirely soluble and very powerful, especially suitable for top-dressing plants in pots during the growing season. A heaped dessert spoonful will be sufficient for a ten-inch pot, sprinkled over the surface of the soil and watered in with tepid water. This may be given three times during the growing seasons. Best results will follow. Price, 7 lbs., \$1.25; 14 lbs., \$2.00; 28 lbs., \$3.75; 56 lbs., \$7.00.

THOMPSON'S VINE, PLANT AND VEGETABLE MANURE.

So compounded as to combine stimulating with lasting effects. A safe and reliable food and stimulant for every fruit-bearing plant, for foliage and flowering plants, for vegetables and outdoor plants of every description; admirably adapted for mixing with the soil when potting in the proportion of 4 lbs. to each wheelbarrow of soil. Price, 14 lbs., \$1.85; 28 lbs., \$3.25; 56 lbs., \$6.00; 112 lbs., \$10.00.

Vaughan's Lawn and Garden Fertilizer (6-8-6)

Six per cent ammonia (nitrogen); eight per cent phosphates; six per cent potash.—This mixture differs from our balanced plant ration, in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor, and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. The formula of this mixture, 6-8-6, is very close to that of Vaughan's Balanced Plant Ration. If it is necessary to store fertilizer in a cellar garage, or any similar place where a pronounced odor is objectionable, then the mineral fertilizer is preferable. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.45; 50 lbs., \$3.65; 100 lbs., \$6.00; 500 lbs., \$27.50; 1,000 lbs., \$51.50; 2,000 lbs., \$98.00.

VAUGHAN'S CONCENTRATED PLANT FOOD.

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers. It is entirely free from objectionable odor and may be used in powder form or dissolved in water to make liquid fertilizer. It contains all the chemical elements known to be of value as plant food.

Package containing food for 20 plants for 3 months; large package containing sufficient plant food for one year. Directions in package. Small packages, each, 20c, if by mail, 25c; large packages, each, 30c, if by mail, 35c.

Stim U Plant Tablets.

A fertilizer in tablet form. The tablets contain the essential plant foods in high concentrated form and are therefore very convenient for house use. Package of 30 tablets 25c; if by mail, 30c.

Pulverized Limestone. An excellent form in which to apply lime, which is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Packed in cotton sacks—not paper.

Price, 50 lbs., \$1.55; 100 lbs., \$2.10; 500 lbs., \$8.00; 1,000 lbs., \$13.50; 2,000 lbs., \$22.00.

Nitrate of Soda or Chili Saltpeter.

Nitrate of Soda is not Manures, but one of the cheapest and best forms in which to apply Nitrogen to plants. Do not let nitrate touch green growth or it will burn. Remove the lumps before using and break them up, which can be done by pounding.

For the Home Garden apply as a solution one ounce to two gallons of water.

Price (subject to market changes), 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.85;

50 lbs., \$3.15; 100 lbs., \$5.65; 500 lbs., \$27.50; 1,000 lbs., \$52.50.

Write for prices on larger quantities.

Muriate of Potash. Imported Potash once again available, should be used liberally, especially for all root crops.

Price, 25 lbs., \$2.00; 50 lbs., \$3.30; 100 lbs., \$5.10.

Scotch Soot (Genuine Imported). of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut-worms.

Price, 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$5.90; 500 lbs., \$25.00.

VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary.

Price, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.65; 50 lbs., \$2.25; 100 lbs., \$3.75; 500 lbs., \$16.25; 1,000 lbs., \$30.00; 2,000 lbs., \$55.00.

HORN SHAVINGS. These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries, to supply food after the natural fertility of the soil is exhausted. Price, 25 lbs., \$2.50; 50 lbs., \$4.40; 10 lbs., \$7.90; 500 lbs., \$34.00.

HUMUS "Hyper Humus" Brand. Recommended for top dressing or use on heavy clay soils. Price, 100-lb. cases, each, \$4.00; 5 cases, each, \$3.50. Ask us for prices on larger quantities.

PURE RAW BONE, Coarse Ground. Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Send for sample. Price, 100 lbs., \$4.40; 500 lbs., \$19.25; 1,000 lbs., \$36.50; 2,000 lbs., \$66.00.

Granulated Peat Moss. A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Bale of about 190 lbs., \$4.00.

Vigoro. Scientifically balanced and complete, VIGORO is a specially prepared plant food. It contains all of the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. The cost is only 10c to 20c for every 100 square feet. It is clean, odorless, easily sown by hand like grass seed. Complete directions in every bag.

Price, 5 lbs., 60c; 25 lbs., \$2.00; 50 lbs., \$3.75; 100 lbs., \$6.00.

Floranid Urea. A highly concentrated organic fertilizer containing 46 per cent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, 1 lb. can, 75c; 50 lbs. for \$11.00.

Write for prices on larger quantities.





Insect Destroyers



Unmailable—Insecticides containing Poison CANNOT be Sent by Mail—by Express only.

BLACK LEAF 40. is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 35c; $\frac{1}{2}$ lb. can, \$1.25, makes 40 to 100 gallons; 2-lb. can, \$3.50, makes 200 to 500 gallons; 10-lb. can, \$13.50, makes 840 to 2100 gallons.



LIME SULPHUR. (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Also one of the best summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. Per qt. can, 45c; 1 gal., \$1.00; 5-gal. can, \$4.00. Write for prices in barrel lots.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5-lbs., \$1.50; 25-lbs., \$4.50; 100-lbs., \$14.00.

ANTROL. Cottage sets containing 9 jars and 6 oz. bottle of syrup, price \$1.90; extra jars each 20c. Pint bottle of syrup \$1.00; gal. \$4.00.



ANT EXTERMINATOR. Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York.) Per box, 35c; smaller size, 20c; by mail 5c. extra.

APHINE. 1 pt., 65c; 1 qt., \$1.00; 1 gal., \$3.00.

CALCIUM, ARSENATE. (Dry.) Lb., 50c; 4 lbs., \$1.60.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 40c; 4 lbs., \$1.50; 25-lb. kegs, \$5.25.

CARBON DISULPHIDE. For ants and cut worms. 1 lb., 50c; $\frac{1}{4}$ lb., 25c.

DERRISOL. Is an odorless nonpoisonous liquid, which will control sucking insects like aphids, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; 8 ozs., \$1.20; 2 lbs., \$3.00; 10 lbs., \$12.00.

FLOWERS OF SULPHUR. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.75; 100 lbs., \$6.50.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25.

FUNGINE. New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Pint, 65c; 1 qt., \$1.00; gal., \$3.00.

GRAPE DUST. Excellent for the prevention and destruction of mildew on plants. 5 lbs., 95c; 10 lbs., \$1.80.

HELLEBORE POWDERED, White. Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.50.

NICO-FUME POWDER FUMIGATOR. Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 1-lb. tin, \$1.25; 5-lb. tin, \$4.00; 10-lb. tin, \$7.50.

LEMON OIL. Destroys mealy bug, scale, red spider. $\frac{1}{2}$ pt., 35c; pt., 60c; qt., \$1.00; $\frac{1}{2}$ gal., \$1.75; gal., \$3.00; 5 gals., \$12.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent. nicotine. $\frac{1}{4}$ lb., 75c; 1 lb., \$2.25; 4 lbs., \$7.00; 8 lbs., \$13.50.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of paper strongly saturated with Nicotine. These, when suspended and lighted, make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, \$1.25, 144 sheets, \$5.25; 288 sheets, \$9.50.

USPULUN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings and disinfestation of seed bed soil. Prices, 2 oz., 50c; $\frac{1}{2}$ lb., \$1.60; 5 lbs., \$13.00; 25 lbs., \$62.50. Write for leaflets stating for what purpose desired.

TWO-WAY SPRAY. (Dry) Combination insecticide and fungicide, containing arsenate of lead and Bordeaux mixture. Price, lb., 50c; 4 lbs., \$1.50; 100 lbs., \$21.00.

ACME ALL ROUND SPRAY. The latest improvement in the insecticide field, one product which will combat blight and fungus diseases, control sucking insects and destroy chewing insects in one application; safe to use on almost all fruits, vegetables, flowers and shrubs. Per $\frac{1}{4}$ lb., 35c; 1 lb., 85c.



SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$3.50.

ARSENATE OF LEAD. (Dry.) For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb., 50c; 4 lbs., \$1.75; case of 32 lbs., \$9.00; 100 lbs., \$22.00.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25; 50 lbs., \$10.75; 100 lbs., \$15.50.



NIKOTEEN. 30% grade. For Spraying and Fumigating. Oz. bottle, 35c.; $\frac{1}{2}$ pt., \$1.10; pt., \$2.00; 3 pts., \$5.75; original case 10 pts., \$18.00. 40% grade. 4 lbs., \$7.00; 8 lbs., \$13.50.

PARIS GREEN. A poisonous insecticide in powder form, for insects which chew. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; per lb., 55c; 5 lbs., \$2.50; 14 lbs., \$6.00.

SULPHO-TOBACCO SOAP. One of the best remedies for greenfly on roses. Per $\frac{1}{2}$ -lb. box, 25c; by mail, 30c. 3-oz. package, each, 15c; by mail, 20c.

SCALECIDE. An oil preparation for San Jose scale. Use 1 gal. to 15 gals. water. Qt., 75c; gal., \$1.75; 5 gals., \$6.25; 10 gals., \$10.60. Write for price in barrel lots.



SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb. 25c; 5 lb. package, 60c; 25 to 50 lbs., at 10c per lb. Per keg 125 lbs., \$12.00; barrel, 250 lbs. in bulk, \$23.00. **Slug Shot Duster.** $\frac{1}{2}$ gal. size, 60c.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 75c; qt., \$1.10; gal., \$3.25.

TOBACCO DUST. (Regular Grade.) 5 lbs., 35c; 10 lbs., 60c; 100 lbs., \$4.00.

TOBACCO STEMS. 100 lbs., \$2.50; 500 lbs., \$9.50; 1000 lbs., \$18.50.

TREE TANGLEFOOT. Perfect safeguard for trees. Lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.25; 25 lbs., \$11.00.



VERMINE. For eel, cut worms and wire worms, working in the soil. It can be applied to all vegetation. Pint, 65c; quart, \$1.00; gal., \$3.00.

***VOLCK.** The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. $\frac{1}{2}$ pint, 50c; pint, 75c; qt., \$1.00; gal., \$3.00; 5 gal., \$12.00.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew scale, etc., for inside and outside spraying. Price, $\frac{1}{2}$ pint, 40c; quart, \$1.00; gallon, \$3.00; 5 gallons for \$12.00.



CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. Aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. Lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. Write for leaflet.

Sprayers, Dusters for Insecticides

Hayes Hand Barrel Sprayer Cart Outfit B 1821

A complete spraying outfit for small orchards, large estates or public park spraying.

An excellent general purpose farm sprayer for disinfecting, whitewashing, field, garden and orchard work.

Pump air chamber is all steel, of large capacity and maintains uniform pressure and makes for ease of operation. The handle is long and powerful. Twin paddle agitators pass on both sides of strainer and stir solution thoroughly. All working parts are bronze or brass to resist corrosion by spraying chemicals. Cart: Steel wheels, malleable hubs, 30 inch diameter, $2\frac{1}{2}$ in. tires securely mounted to 50 gallon barrel, $12\frac{1}{2}$ ft. half-inch spray hose, nozzle and fittings.

No. 1821B equipped as above. Weight, 170 lbs., \$36.00.

The Jumbo pump has a $2\frac{1}{2}$ inch cylinder and an extra large 3 inch boiler tube air chamber which enables it to handle one or two leads of hose, and develop sufficient capacity and high pressure to do a first class job.

If wanted with Jumbo Barrel Pump order No. 1921B. Weight, 181 lbs., \$40.00.

Hand Barrel Sprayers

(Closed Barrel)

Fig. 182

Construction similar to open barrel type with all working parts of bronze or brass to resist corrosion. Pump rests solidly on bottom of barrel and is always submerged. Large air chamber maintains uniform pressure and makes it unnecessary to work pump constantly. Develops tremendous pressure.

sure. Equipped with $12\frac{1}{2}$ ft. spray hose, nozzle and fittings. Price, without barrel, \$14.35. Price, with barrel, \$22.50.

BAMBOO EXTENSION ROD

Lined with aluminum. Eight feet long, with stop cock. Each, \$4.50.

Wheelbarrow Sprayer

No. 1721F

Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, develops 150 to 200 lbs. pressure with minimum of effort.

Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds $12\frac{1}{2}$ gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. Price, \$24.00.

Shipping weight, 80 lbs. Wheelbarrow, same capacity as the above, with smaller pump, each, \$15.00.

Bink's Sprayer

Equipped with 3 feet of discharge hose, shut-off cocks, Star spray nozzle and shoulder strap. Works with compressed air. Price, \$8.75.

Pneumatic

Sprayer

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank \$1.25; Brass Tank. Each \$2.00.

The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. Price, each, 85c.

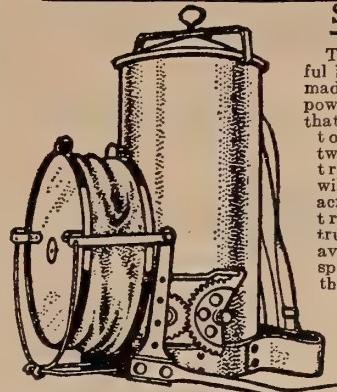
Standard Spray Pump

This pump is a Bucket, Barrel or Knapsack pump as desired. Price, \$5.00; with knapsack and curved extension, \$9.25.

This pump is a Bucket, Barrel or Knapsack pump as desired. Price, \$5.00; with knapsack and curved extension, \$9.25.

The American Beauty Dust Sprayer

The most powerful hand duster made. Has a large, powerful bellows, that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$20.00. Write for leaflet of the American Beauty Dust Sprayer.



Success Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and buggies or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money.

Price, complete, \$7.00, without bucket.

Myers Little Giant Spray Pump

with agitator, complete with hose and combination fine coarse spray and solid-stream nozzle, with malleable foot rest. Price, complete, \$5.00 without bucket.

The Auto Spray

Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.

Price, galvanized iron reservoir, with Auto Pop, \$6.50; solid brass reservoir, with Auto Pop, \$9.00. Extension rods, 2-foot lengths, 50c. Two-row attachments, \$1.50.



Hudson Sprayer

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insecticides, etc. Galvanized steel, \$6.50; all Brass, \$9.00.

Powder Bellows.



For dusting with sulphur or like material. No. 11. Length, 17 inches over all. Each, \$2.00. No. 16. Each, 3.00

Crank Duster



Will distribute any dry insecticide evenly. Price, \$9.50.

Peerless Blower

The best machine on the market for applying sulphur, Paris green, slug shot, etc., to plants in greenhouses. A 200-ft. greenhouse can be easily powdered in 5 minutes with this machine. Each, \$8.00.



Feeney Model B Duster



Splendid Hand Duster. Each.....\$1.25

Little Giant

The best dry powder gun; will distribute any dry insecticide. Will do as much work in a day as a horse-power sprayer. Price, \$10.00.

Duster, Lowell

Handy for dusting any powder. Operated same as hand sprayer. Each, 85c.

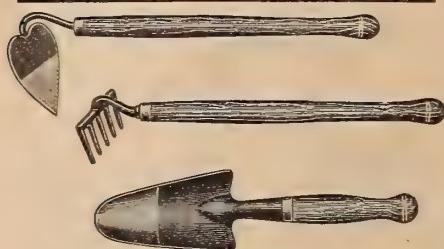
Powder Gun, Cyclone



Small size, 20c. Jumbo size, 45c. Postage, extra, each, 5c.

Novelty Garden Tools, Supplies

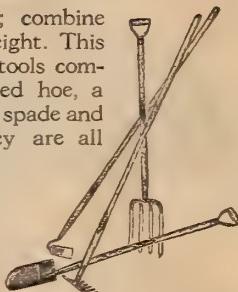
AMERICAN BEAUTY GARDEN SET



All handles are hand-turned and hand-finished, extra heavy. Tools are finished in red enamel; these are practical tools and are put up each set in a strong box. Hoe heart-shaped blade, heavy steel, 16-inch handle. Rake, heavy five-tooth malleable iron, 7-inch handle. Trowel heavy 6-inch. The finest floral set made. Price, per set, \$1.25; if by mail, add 20c for postage.

LADIES' AND YOUTHS' SET OF GARDEN TOOLS

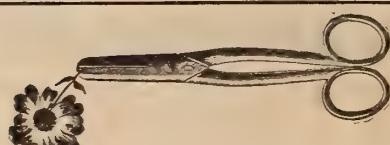
Well constructed; combine strength and light weight. This set of light weight tools comprises a long handled hoe, a garden rake, garden spade and spading fork. They are all serviceable, well constructed tools (not toys), handy for use in camp and home gardens. Price, per set, \$3.50.



HEAVY PRESSED STEEL GARDEN SET

Set of three tools. Garden trowel, transplanting trowel and weeder. All made of heavy pressed steel. Handsomely finished in baked black enamel. Price, per set, \$1.00; if by mail, add 20c for postage.

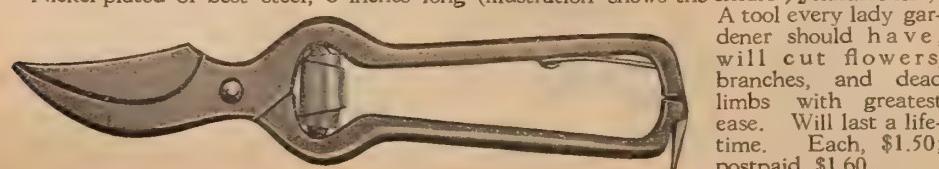
FLOWER GATHERING SCISSORS



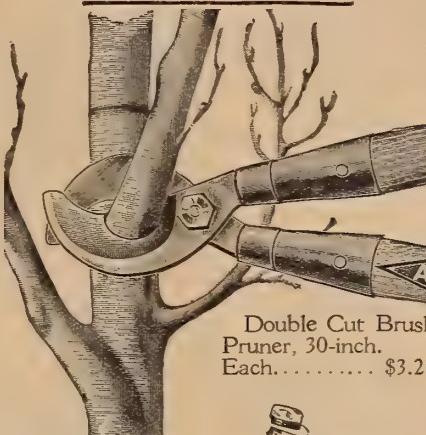
Henkels' twin brand, imported, cuts and holds the flowers. Nickel plated, finest quality. Price, \$3.00; if by mail, add 15c for postage.

No. 25 LADIES' PRUNING SHEARS

Nickel-plated of best steel, 6 inches long (illustration shows the shears $\frac{1}{2}$ natural size).



DOUBLE CUT PRUNER



Double Cut Brush
Pruner, 30-inch.
Each.....\$3.25

LITTLE WONDER—Hedge Trimmer. Will trim your hedge five to ten times faster than hand shears. Attachments come with each machine to adapt it to flat, round or pivot tops as well as side cutting; 40-inch. Each, \$27.50.

Side-cutting carriage for hedge trimmers, \$4.50.



Illustration shows
trimmer with side-
cutting carriage.

THE ELECTRIC LITTLE WONDER—Hedge Trimmer. Cuts every variety of hedge grown 5 to 10 times as fast as by hand; will trim a hedge to any shape and cut wanted, various attachments and adjustments being provided for each type. Cuts sides of square or pivot top hedges 10 feet high with the operator standing on the ground; makes hedge cutting a positive pleasure—everybody wants to use it when they see it. Cuts more evenly as well as more quickly; weighs only 10 to 16 lbs., according to the attachments used. 30-inch, \$103.00; 40-inch, \$106.50; 60 inch, \$114.00.

BEST QUALITY

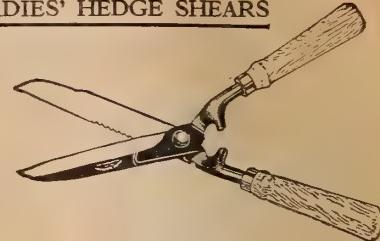


HEDGE SHEARS

Imported. Made of the highest quality steel. These shears can be used both for trimming hedges and cutting grass under fences, bushes, etc. Steel blades. Tang extends through handles, riveted, making handles fast.

8 inch with Notch.....	\$3.00
9 inch with Notch.....	3.25
10 inch with Notch.....	3.50

LADIES' HEDGE SHEARS



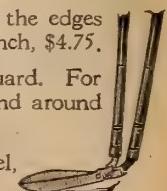
Ladies' pattern. A very graceful tool, light in weight and designed especially for ladies' use and light work of all kinds. The blades hollow ground, causing them always to close on the cutting edge; are made of steel, and the handles are hardwood, fastened with snug fitting, stamped ferrule. Each, \$2.00; if by mail, add 25c for postage and packing.

SHEARS

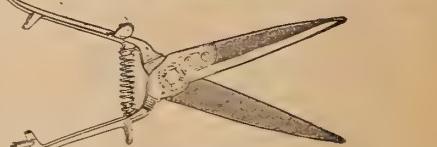
Border—For trimming the edges of borders and walks. 9-inch, \$4.75.

Grass—With thumb guard. For trimming grass on edges and around flower beds. Each, 50c.

Grass—Best quality steel, 6-inch blade, \$1.35.



Vaughan Doo-Klip
Grass Shear. Each, \$1.50.
By mail, \$1.60



Improved Grass Shears—Hardened and tempered blades, each, \$1.25.



Hotkaps New Method of Plant Protection

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around it Hotkaps become individual miniature hot-houses. Price, per 100, \$2.00; 250 for \$3.75; 1000 for \$11.50.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself with a handle at the top. The cost of the Hotkap setter is nominal and can be used a lifetime. Price, each, \$2.50.



Planet Jr. Garden Tools



72-PAGE GARDEN MANUAL FREE. WRITE FOR YOUR COPY NOW

No. 12 Planet Jr. Double and Single Wheel Hoe

A combination of Double and Single Wheel Hoe that has become the most popular in this and other countries. As a double wheel hoe the row can be straddled and worked both sides until the plants are 20 inches high. Then as a double or single wheel hoe, the crops can be cultivated both sides of the row and in the middle, thoroughly and quickly. Can also be used as a single wheel hoe wherever desired. The cultivating attachments permit one to do all the necessary plowing, opening and closing of furrows, hillings of plants and all the garden cultivation required. The side hoes break up the crust, kill the weeds, and pulverize the soil, which prevents evaporation of the required moisture. Rakes, Disc Hoes and other attachments can be added at any time. See Page 80 of the Planet Jr. catalog.



Equipment:
Pr. 6-inch Hoes,
3 Steel Cultivator Teeth,
Pair Plows,
Two Leaf Guards

No. 12
Price,
\$10.75

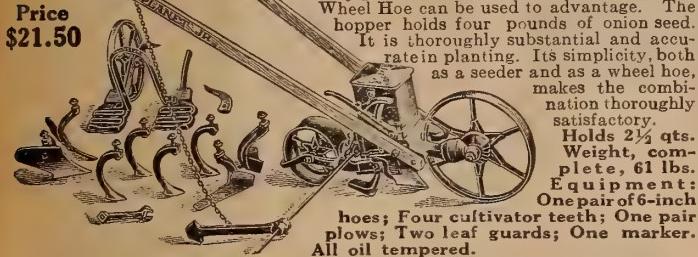
No. 11 same as No. 12 with extra Cultivator teeth, extra pair side hoes, and pair 3 tooth rakes and a pair of 5 tooth rakes. Price, \$13.75.

No. 25 Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator and Plow

The No. 25 Combined Seeder, Double and Single Wheel Hoe is recognized by hundreds of users and recommended by them as being the "Complete Gardener." It sows practically all vegetable seeds, either in hill or drill, accurately and without waste. Practically any kind of cultivating can be done at any stage of growth of various crops with the variety of cultivating tools furnished with this machine.

It is valuable to gardeners or farmers who have enough acreage for a Double Wheel Hoe to be used, and yet prefer not to buy Seeders and Wheel Hoes separately, also for onion growers and for the large family garden where both a Single and Double Wheel Hoe can be used to advantage. The hopper holds four pounds of onion seed.

It is thoroughly substantial and accurate in planting. Its simplicity, both as a seeder and as a wheel hoe, makes the combination thoroughly satisfactory.
Holds 2½ qts.
Weight, complete, 61 lbs.
Equipment:
One pair of 6-inch
hoes; Four cultivator teeth; One pair
plows; Two leaf guards; One marker.
All oil tempered.



No. 19 Planet Jr. Garden Plow and Cultivator

Especially made for farmers' table garden. Here is a complete garden cultivator and plow, and although very moderate in price, will take care of all the cultivating in your garden, whether it be large or small, as well as doing all the necessary plowing, opening and closing of furrows, hillings up plants, and other work. The assortment of cultivating attachments is very complete, everyone being of special design; and the work that they will do will make you wonder how you ever handled your garden without this tool.

Equipment: One 2-in. Cultivating Tooth; One 10-in. Sweep; One plow; 5-Prong Cultivating Attachment; 15-inch Steel Wheel.

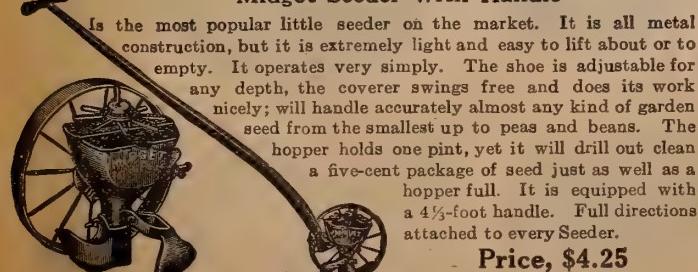


No. 19
Price, \$6.00

Midget Seeder With Handle

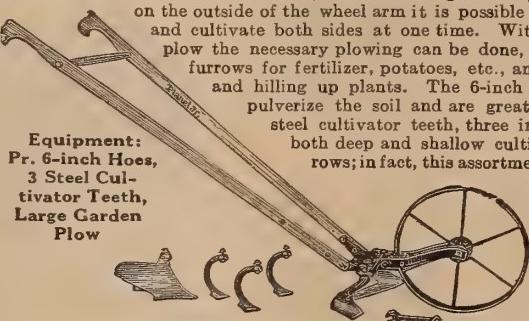
Is the most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the coverer swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a 4½-foot handle. Full directions attached to every Seeder.

Price, \$4.25



No. 17 Planet Jr. Single Wheel Hoe

One of the leaders in the Planet Jr. Garden Tool line. Will do practically the same work as the double wheel hoes, but is much lighter. By putting the wheel on the outside of the wheel arm it is possible to straddle the row and cultivate both sides at one time. With the large garden plow the necessary plowing can be done, as well as opening furrows for fertilizer, potatoes, etc., and closing furrow—and hillings up plants. The 6-inch hoes break up and pulverize the soil and are great weed killers. The steel cultivator teeth, three in number, give you both deep and shallow cultivation between the rows; in fact, this assortment of tools gives you everything you need to thoroughly cultivate the garden.



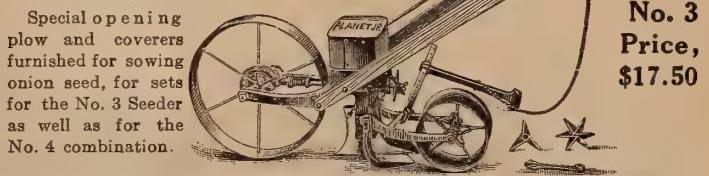
No. 17
Price,
\$7.75

No. 3 Planet Jr. HILL and DRILL Seeder

THE MARKET GARDENERS' FAVORITE

Sows all vegetable seeds in drills, at the proper depth, thickness, and economically. Gives you a uniform stand, in absolutely straight rows, which saves you time and labor in your cultivating work. Drops in hills 4, 6, 8, 12 or 24 inches apart.

Special opening plow and covers furnished for sowing onion seed, for sets for the No. 3 Seeder as well as for the No. 4 combination.



No. 3
Price,
\$17.50

Bolen's New Model "D" Garden Tractor and Combination Lawn Mower

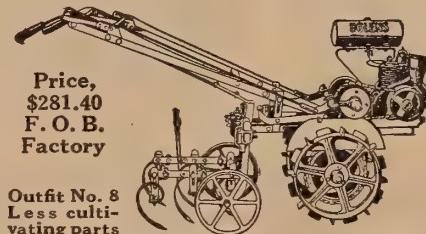
A light-weight, efficient garden tractor that exactly meets the requirements of the market gardener and suburban resident. This machine is flexible, easy to operate—any good-sized boy or girl can run it easily. It seeds, weeds and cultivates and mows the lawn, besides furnishing stationary power for light machinery.

Ask us for special circular.
PRICES F. O. B. PORT
WASHINGTON, WIS.

OUTFIT No. 2 with cultivating frame for one and two rows, with two pair of weeding hoes and six cultivator teeth, \$206.40.

OUTFIT No. 8, the same as Outfit No. 2, with addition of lawn mower attachment and 30-inch Timken equipped cutting unit, \$281.40.

Complete catalog and price list on request.

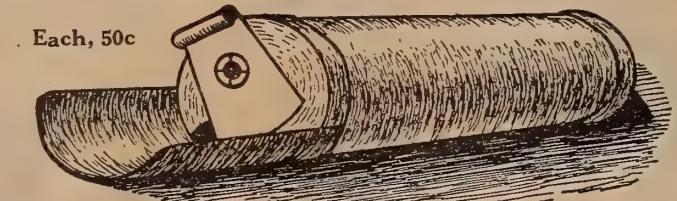


Price,
\$281.40
F. O. B.
Factory

Outfit No. 8
Less culti-
vating parts

The Economical Seeder

Each, 50c



A handy little tool which will be found useful and economical in sowing all fine seeds. It is made of zinc and measure 4¾ inches over all.

The instrument is small enough to be held in the palm of the hand and the amount of seed is controlled by a simple action of the thumb operating a slide regulating the flow of the seed. It has a capacity of one ounce of aster seed and more or less of other seed according to size. It is especially recommended for sowing finer flower and vegetable seeds.



Sowrite Seeds Sower

SOWS SEEDS AT A TOUCH
SOWRITE Model 1923. Made of copper, nickel plated, for all seeds up to size of sweet peas; scatters seed individually; prevents crowding and choking of seedlings; eliminates guess work because you can see each seed drop no matter how fine; saves time because you can sow seeds twice as fast. Price, \$1.50, postpaid.

LAWN MOWERS**LAWN ROLLERS****LAWN TRIMMERS**

We Supply Everything

The Genuine Philadelphia

Lawn Mowers

FOR HALF A CENTURY**THE STANDARD****OF QUALITY**

THE genuine Philadelphia Lawn Mowers are the recognized standard for high-class machines. They are universally used in cemeteries and parks, where they are run constantly, day after day. The ordinary mowers cannot stand such usage. The knives are made of vanadium crucible steel, and do not require constant sharpening. The bearings are easier running than ball-bearings, and do not become clogged with dirt. A lawn mower of this quality for home use will be the best labor-saving device one could invest in—always sharp, easy running and going for years without the need of repair. We list the three highest grade machines made by the Philadelphia company. Write for catalog.

Style A. High wheel, all steel, very easy to run and light in weight. Ten-inch driving wheels. Long, large bearings, four blades, double ratchet. More of these mowers used by parks and estates than all other makes combined. Three gears on one side.

15 in.	17 in.	19 in.	21 in.
\$21.00	\$23.50	\$26.50	\$29.00

Style K. Cylinder with 5 blades. Driving wheel 10 inches. Big bearings, bored with rifle-barrel accuracy. Vanadium crucible steel blades. Very durable. Single pinion gears on both sides.

14 in.	16 in.	18 in.	20 in.
\$17.00	\$19.00	\$21.00	\$23.00

Graham. Named for the president of the Philadelphia company. The finest lawn mower made. All steel cylinder, 4 blades. Driving wheels 10 inches. Train of gears for easy running on both sides. Bearings absolutely accurate. Wheels, gears and cylinders can be removed without disturbing other adjustments.

17 in.	19 in.
\$26.00	\$29.00

Perfection Grass Collectors. Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering.

No.	Each	
301	Adjustable to mowers 12 to 16 inches ...	\$1.35
306	Adjustable to mowers 16 to 20 inches ...	1.65

Write for prices and booklet on Motor Mowers.

**IDEAL LAWN EDGER**

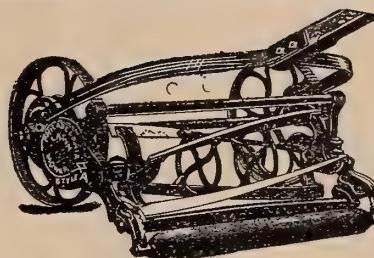
For trimming around edges of lawns and walks. A remarkable tool for any lawn. Adjustable to any grade, and will run close to the walks. Keep knife sharp. Do not use on soaking or wet ground. Each.....\$3.25

Sod Lifter

Polished steel blade, strap ferrule. D handle with ebonized wood grip. Length of handle 2 3/4 feet. Length over all, 4 feet. Price, each, \$2.25.

TURF EDGER

American..... Each, \$1.25

**Lawn Rollers****Genuine Dunham Water-Weight Rollers**

Water Ballast Lawn Rollers, steel handles, roller bearings, acetylene welded drums with anti-turf-tearing tires, positively non-rust shut water entrance. The most efficient and easiest running roller made. Weighs 50% more when filled with sand. Water is more convenient.

Diam. Length Sec- Wt., Filled

No.	in.	in.	tions	empty	water	Price
WB5.....	18	24	1	85	265	\$18.00
WB7.....	24	24	1	110	420	21.00
WB9.....	24	32	1	130	565	23.00

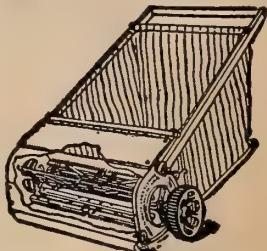
Dunham rollers with plain bearings slightly lighter than the roller-bearing rollers.

Diam. Length Sec- Wt., Filled

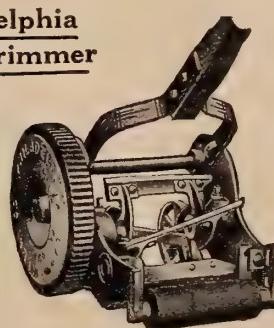
No.	in.	in.	tions	empty	water	Price
WB2.....	14	24	1	68	175	\$12.50
WB4.....	18	24	1	82	265	14.50

Gem Lawn Sweeper

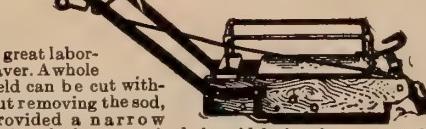
This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work. Price, 24-inch wide, each, \$34.00.

**Philadelphia
Lawn Trimmer**

Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. Price, each \$10.50, complete.

**THE RICHMOND
SOD CUTTER**

A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width, is taken out at the start. Price, \$40.00.



Berghman Lawn Mower Sharpener. A high-grade durable lawn mower sharpener, easy to use and adjustable to all types and makes of machines. A hundred-fold better than a file—no danger of making low spots in the blades. Price, \$1.00.

No. 2 Planet Jr. Grass Edger. A handy tool to keep your lawn edges well trimmed. Price, \$1.75.



for the Lawn, Etc.

ELECTRIC NON-KINKABLE HOSE



Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with snap hose couplings if advised when ordering. Price, $\frac{3}{4}$ -inch or $\frac{1}{2}$ -inch, per 25 feet, \$6.50; 50 feet, \$12.00; 100 feet, \$22.50.

STANDARD RAIN KING



Combines all the best features of both stationary and revolving sprinklers. Waters the largest lawns or the smallest corners, strips and odd-shaped places. Sprinkles in two directions at once or concentrates wherever water is wanted. Gives a gentle mist, a soaking downpour or light shower—all at instant command.

Each nozzle a complete sprinkler with full range of direction, distance and volume. Instantly set for either stationary or whirling spray. Nozzles set instantly for any spray. Operate independently or together. Distributes water perfectly under any pressure. When set to revolve, regulates to run fast or slow, to cover small or large circle.

Nothing to get out of order. Built for hard work and built to last. Bearings are hardened and machined to precision standards. A strong, sure-working sprinkler that is a trade builder.

Weight, 3 lbs. Packed one to a carton. \$3.50
Price, each,.....

LINCOLN PARK OR BUTTERFLY



Cheapest and best Sprinkler made. Each, 35c.

Mounted on stand: 2-foot, 95c; 4-foot, \$1.10; 6-foot, \$1.25.

THE EVANSTON SPRINKLER

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. The fineness and symmetry of its spray make it especially desirable for new lawn and flower gardens. Its location may be changed while under full working head with perfect ease, by the aid of a wire or cord. Weight 2 lbs. Each, 70c; 3 for \$2.00.

CYCLONE SPRINKLER

Three-Arm Lawn Sprinkler, which can be operated with a moderate pressure, covers a wide area and distributes the water evenly. The revolving arms throw the water in a fine spray into the air and the motion produces a fine mist. Height, about 1 foot. Each, \$2.25; 3 for \$6.50.

FOUNTAIN SPRINKLER

The mist-like spray that has made the name Fountain known all over the land. Each, 75c; by mail, 85c.

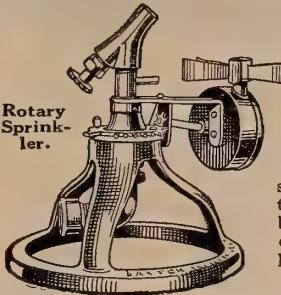
AUSTRALIAN SPRINKLER



This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2-foot, 95c, 4-foot, \$1.10; 6-foot, \$1.25; 8-foot, \$1.35.

ROTARY and OSCILATING SPRINKLER



Rotary Sprinkler.

This sprinkler is adjustable at will from bell-shaped spray or full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money.

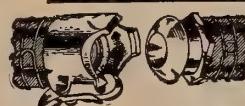
Each, \$10.00;



CRESCENT SPRINKLER

Rainking. The nozzle that gives satisfaction. Easy to adjust, from the finest spray to long stream. Price, \$1.50.

THE "SNAP" HOSE COUPLER



Hose Clamps, Bull Dog. Each, 7c; doz., 70c, Ppd.

Hose Straps, Caldwell. Used in fastening coupler on hose. Each, 5c; doz., 40c. Pliers for same, 35c.

PERFECT CLINCHING COUPLER

$\frac{3}{4}$ -inch, per pair, 30c; doz., \$3.00.

Perfect Clinching

Hose Mender

A self-fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose.

$\frac{3}{4}$ -inch, each, 15c; doz. \$1.50.

THE COOPER HOSE MENDER

Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. $\frac{3}{4}$ or $\frac{1}{2}$ -inch, each, 10c; doz., \$1.00; 1-inch each, 12c; doz., \$1.25, postage, 5c doz. extra.

Iron Mender, for $\frac{3}{4}$ -inch hose. Each, 7c; doz. 70c.

HOSE WASHERS, $\frac{3}{4}$ -inch, per doz., 5c; gross, 50c.

LAWN RAKES

Automatic Self-Cleaning. A backward motion of the operator clears all the teeth at once. Each, \$1.50.

Lawn Queen. Wire teeth, reversible head; 24 teeth. Each, 90c; 36 teeth, \$1.25.

Gem Dandelion Rake. Will keep dandelions off your lawn. Fine blade-like steel teeth. Easy working, self-cleaning stripper. Greatly improves the appearance of lawn. Cannot tear or injure the sod.

Large Size
\$2.75



Medium Size
\$2.00

HOSE REELS,

SPRINKLERS,

RAKES, EDGERS, ETC.

HOSE NOZZLES

Gem. Best all-around hose nozzle, can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for $\frac{3}{4}$ -inch hose. Each, 90c; by mail, \$1.00.

Boston Rose Spray. Brass; for $\frac{3}{4}$ -inch hose; useful for watering lawn and garden. Each, \$1.25; by mail, \$1.35.



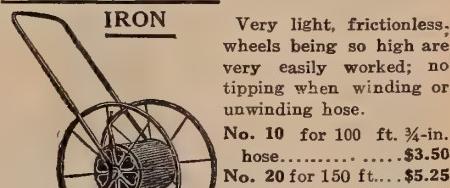
Justrite Hose Nozzle. For lawn and garden, can be changed from fine spray to stream. $\frac{3}{4}$ inch, each 70c; by mail, 80c.

HOSE LAWN BOOT

No. 2 for No. 2 horseshoe $5\frac{1}{2}$ in. inside measure. No. 4 for No. 4 horseshoe $6\frac{1}{2}$ in. inside measure. No. 6 for No. 6 horseshoe $7\frac{1}{2}$ in. inside measure.

Price, per set of four, \$15.00.

HOSE REEL — ALL IRON



Very light, frictionless, wheels being so high are very easily worked; no tipping when winding or unwinding hose.

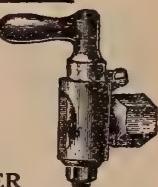
No. 10 for 100 ft. $\frac{3}{4}$ -in. hose.....\$3.50
No. 20 for 150 ft....\$5.25
Donley's, all steel
Each, \$3.00.

INSECTICIDE NOZZLES

These are especially designed for use in spraying insecticides. Made to fit $\frac{3}{4}$ -inch pipe connection. If wanted to fit $\frac{1}{2}$ -inch hose, order reducer, 45¢ extra.

Bordeaux Nozzle. Each, \$1.00; by mail, \$1.05.

Vermorel Nozzle. Each, \$1.00; by mail, \$1.05.



WEED KILLER

Atlas Non-Poisonous Weed Killer exterminates all undesirable vegetation—including poison ivy, etc.—as easily as watering a garden, without poison hazard to humans or animals.

Simply mix with water and apply on any vegetation.—Weeds, Grass, etc., with a sprinkling can or sprayer.

Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters.

DRY SUPER CONCENTRATE (Mailable)

Small cans (make 2 $\frac{1}{2}$ gals. of weed killer)....\$0.50
Large cans (make 20 gals. of weed killer)....2.00

LIQUID SUPER CONCENTRATE

5 gallons drums (will treat 2,500 sq. ft.)....\$8.00
30 gallons drums (will treat 15,000 sq. ft.)....37.50
50 gallons drums (will treat 25,000 sq. ft.)....55.00



GRASS HOOKS OR SICKLES

English. Riveted back. Each, .75c.
Domestic. Best quality.....85c



No. 4. Perfect grass hook.
Each, 75c, by mail 85c.



SCYTHE BLADES

Kelly Cloveleaf Dutch grass scythes, 32 inch, each \$1.65.

English, riveted back, 30-inch, \$3.00;
36-inch \$3.25.

Scythe Snath, each, \$1.60.

Scythe Stone. Natural, 15c each.

Owing to the fluctuations of the market, prices are subject to change without notice.

GLAZING MATERIALS AND POTS

MASTICA. For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, \$2.85.

MASTICA MACHINE. For applying above. (Weight, 1½ lbs.) Each, \$3.50.

PUTTY. Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, \$3.00.

PUTTY BULB. Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses.

(Weight ½ lb.) Each, \$1.75.

PUTTY KNIFE. Each, 35c.

VAUGHAN'S BULMING CEMENT. A perfect compound for glazing, re-glazing and repair work on greenhouses and sash. Made from a long fiber asbestos and elastic gums.

Forglazing purposes it requires about 3 gallons to each thousand feet of glass. Price, per gal., \$1.60; 5 gals., \$7.50; in 35 and 55-gal. drums, per gal., \$1.15.

MOLE TRAP IMPROVED. With patented setting attachment. One of the best mole and gopher traps. Each, \$2.25.

MOSS. Sphagnum. Bur-lapped bales. Ea., \$2.25.

SHEET MOSS. (Green)

Freshly gathered; for Windows, Boxes, etc. Per sack, \$2.75.



PUTTY BULB



PUTTY KNIFE



POTS (Flower)

F. O. B. Chicago. Write for New York Prices.

RED CLAY POTS. We pack these carefully, but will not be responsible for breakage.

Doz.	100	1000	Doz.	100	Each	
2 in...	\$0.30	\$1.50	6 in.	\$1.20	\$ 8.50	
2½ in...	.35	1.65	13.75	7 in.	1.65	12.95
3 in...	.50	2.60	17.50	8 in.	2.25	17.20
4 in...	.65	3.40	10 in.	.....	\$ 0.50
5 in...	.85	6.00	12 in.	.....	.80

PANS (Azalea) Each	Doz.	Each	Doz.	1000	Each
6 in.....	\$0.15	\$1.20	9 in.....	\$0.35	\$ 3.50
7 in.....	.20	1.65	10 in.....	.50	.....
8 in.....	.25	2.25	12 in.....	.80	.....

PANS (Fern) Each	Doz.	Each	Doz.	1000	Each
6 in.....	\$0.15	\$1.20	8 in.....	\$0.25	\$ 2.25
7 in.....	.20	1.65	10 in.....	.50	5.00

SAUCERS Clay.

Doz.	100	Doz.	100		
5 in.....	\$0.60	\$3.75	9 in.....	\$2.00	\$13.50
6 in.....	.85	5.25	10 in.....	2.50	.....
7 in.....	1.10	7.50	12 in.....	3.60	.....
8 in.....	1.45	9.00			

NEPONSET PAPER POTS.

Made of water-proof paper, light, clean and unbreakable.

Doz.	100	1000	
2½ in....	\$0.14	\$0.65	\$ 4.50
2½ in....	.17	.75	5.15
3 in....	.20	1.00	7.50
3½ in....	.25	1.25	8.00
4 in....	.28	1.35	10.75
5 in....	.35	2.00	16.50
6 in....	.40	2.60	21.50

GARDEN LINE REEL.—Each, \$1.10 (weight 2 lbs.).

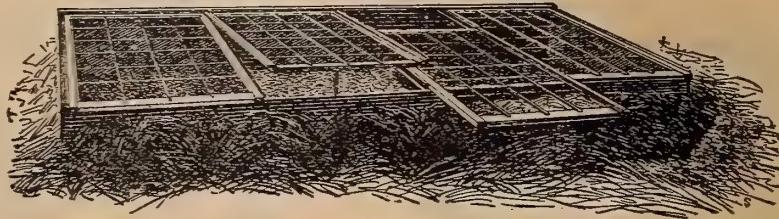
GARDEN LINE. Each heavy braided. Per 96 feet, \$1.00; by mail, \$1.10.

GRAFTING WAX.—Per ¼ lb. bar, 20c; ½ lb. bar, 30c; 1 lb. bar, 50c.

GLOVES—Gardener's. Per pair, \$1.75.

DIBBER. For transplanting vegetable plants; steel point. Each, 85c (weight 10 oz.).

Vaughan's Garden



HOTBED SASH

HOTBED SASH.—Made of the very finest material. Unglazed are not painted. Glazed, painted one coat. Single strength glass. Add 95c per sash for double strength. Size, 3x6 ft., holds 3 rows 10-inch glass.

Unglazed, each, \$3.25; 3 for \$9.50; doz., \$36.00. Glazed, single strength glass, each, \$6.25; 3 for \$18.50; doz., \$72.00.

Size, 38 inch x 6 ft., holds 4 rows 8-inch glass. Unglazed, each, \$3.50; 3 for \$10.25; doz., \$39.00. Glazed, each, \$6.50; 3 for \$19.25; doz., \$75.00.

Prices include Crating. F. O. B. Chicago.

Prices subject to change without notice.

CEL-O-GLASS



100 feet long. Price per square yard \$1.75; 25 ft. Roll 3 ft. wide, \$12.75.

RED DEVIL GLASS CUTTER. Each, 25c.

GLASS CUTTER DIAMOND. Each, \$5.00.

GLAZING POINTS.—Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., 70c; by mail, 80c.

Siebert's Improved.—Easy to drive, and will not wedge or crack glass, 2 sizes, ¾ and ⅜-inch long. Price per lb., 70c; by mail, 80c.

HOTBED MATS AND PLANT BED CLOTH



specially prepared water-proof compound absolutely impervious to rain, sleet and snow proof against frost; repellent to rats and mice. Easy to handle, wears for years.

Size, 40x78 inches. Each, \$2.85; doz., \$28.80.

Size, 76x76 inches. Each, \$5.00; doz., \$51.00.

IMPORTED REED HOTBED MATS. Superior to straw mats; very durable. Size, 76x76 inches. Each, \$2.85; three for \$8.00; doz., \$30.00.

PLANT BED CLOTH. For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., 25c; heavy, 34c; 60 to 100 yds., medium, per yd., 23c; heavy, 32c; not less than 20 yds. of kind sold.

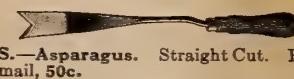
HOE. Combination Draw and

Rake. 4½-inch cut and 4 teeth. Each, \$1.15; 6½-inch cut and 6 teeth, \$1.25.



English Scuffle or Push. 6-inch, \$1.25; 8-in., \$1.45. Without handle.

KNIVES



KNIVES.—Asparagus. Straight Cut. Each, 45c; by mail, 50c.

Asparagus. Fishtail. Each, 50c; by mail, 55c. Budding. Ivory handle. Each, \$2.75; by mail, \$2.80.

Budding and Prop. Two blades; white handle; brass caps. Each \$1.75; by mail, \$1.85.

Propagating. "The Vaughan," best of all. Each, \$1.25; by mail \$1.30.

Pruning. Stag handle, English. Each, \$2.50; by mail, \$2.55.

Potato Knife. "The Humphrey."

Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, 35c; 3 for \$1.00.

LABELS.—Zinc, Tree. Wired 3½ inches long, ¼ inch wide. Price per dozen, 25c; 100, \$1.75



Wooden. For pots, painted.

100	1000	100	1000		
4-in....	\$0.35	\$1.85	\$ 0.45	\$ 2.95	
5-in....	.40	2.45	12-in....	1.40	12.00

Tree, Copper Wired. 3½ in. 100, 45c; 1000, \$2.90.



Copper. Indestructible. Small, 25c doz.; 100, \$1.75; large, 35c doz.; 100 for \$2.35.

Cypress.—For use outside, will last for years. Splendid for Perennial Plants, ¾-inch thick, 16x1¼ in. Doz., 60c; 100 for \$4.00; 18x2 in., doz., 75c; 100 for \$5.00.

Plant Markers Oval Top. Made of heavy galvanized sheeting 9 inches long. Price, per doz., \$1.00; per 100, \$6.50. Special black ink for marking labels, oz. bottle, 95c.



Plant Marker

FORK. Lightweight Spading. True temper quality, a handy fork for spading around shrubbery and perennials. Each, \$1.25.

Tools and Requisites

SHOVELS.—Vaughan's. D handle, round point.
Each.....\$1.75
Vaughan. Long handle, round point. Each... 1.75
Vaughan. D handle, square edge. Each... 1.75

SPADES—Vaughan's. Special D or long handle, Each.....\$1.75

SPRINKLERS—The Lenox.

A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, 70c; by mail, 75c.



Scollay's Rubber. Best sprinkler for plants, ferns and flowers. Large....\$1.60 By mail..\$1.65

SIEVES. For

sifting soil.
18 inches in diameter, all sizes mesh from $\frac{1}{2}$ to $\frac{1}{2}$ inch. Each, \$2.75.



STAKES, WOODEN. Painted green. Very useful for tying many plants.

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft.....	\$1.85	\$12.00
4 ft.....	2.40	15.60
5 ft.....	2.95	20.00

Light Grade (for smaller plants)

Per doz.	100	Per doz.	100
1 1/2 ft....\$0.45	\$2.60	3 1/2 ft....\$1.40	\$9.50
2 ft.... .70	4.15	4 ft.... 1.75	11.00
2 1/2 ft.... .95	4.65	5 ft.... 2.10	14.00
3 ft.... 1.20	7.50		

Per 100 1000

STAKES—Cane. 6 to 8 feet long.....\$2.00 \$10.00

STAKES—Cane. 9 to 11 feet long..... 2.50 18.00

Prices on cane Stakes f. o. b. Chicago.

Prices at New York 10 per cent. higher.

STAKES—JAPANESE BAMBOO Green Painted.

100	1000	100	1000
1 1/2 ft....\$0.95	\$5.50	3 ft....\$1.65	\$9.75
2 ft.... 1.10	6.50	3 1/2 ft.... 1.80	10.50
2 1/2 ft.... 1.35	8.00	4 ft.... 2.10	12.75
Japanese Bamboo, not painted, 6 ft. 2.35	17.50		

STAKES—HEAVY TONKIN Natural Color.

Heavyweight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime.

F.O.B. N. Y. F.O.B. Chicago	Length	Diameter	Doz.	100	Doz.	100
4 ft.... 1/2 to 5/8 inch	\$0.75	\$4.00	\$0.85	\$4.50		
4 ft.... 5/8 to 3/4 inch	1.10	6.00	.95	6.50		
5 ft.... 5/8 to 3/4 inch	1.25	7.00	1.40	7.50		
6 ft.... 5/8 to 3/4 inch	1.35	8.00	1.50	9.00		
8 ft.... 5/8 to 3/4 inch	1.50	9.00	1.65	10.00		

STAKES—Galvanized Wire.

No. 9 Wire Doz.	100	No. 8 Wire Doz.	100
1 1/2 ft....\$0.25	\$1.00	3 1/2 ft....\$0.45	\$2.15
2 ft.... .30	1.30	4 ft.... .55	2.50
2 1/2 ft.... .35	1.55	5 ft.... .65	3.00
3 ft.... .40	1.85	6 ft.... .75	3.60

Prices wire stakes subject to change without notice.

SYRINGES—English Brass.

Each	Each	Each	Each
No. 0. Length 12 1/2 in.; 15-16 in. diam.	\$2.50		
No. B. Larger, 13 1/2 in. long, 13-16 in. in diam.	3.00		
No. C. 14 1/2 in. long, 15-16 in. in diam.	3.75		
No. D. 15 1/2 in. long, 1 1/2 in. in diam.	4.50		
No. 5. Best for general Greenhouse use	7.00		
No. 12. 14 in. long, 1 in. in diam.	4.25		
No. 11. 18 in. long, 1 stream, 2 sprays.....	6.00		

TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York.

No.	Each	Four	No.	Each	Four
1.. 6x 6	\$0.90	\$3.40	9.. 14x13	\$2.35	\$9.00
3.. 8x 8	1.10	4.20	11.. 16x15	3.00	11.40
5.. 10x 9	1.30	5.00	13.. 18x17	3.75	14.60
7.. 12x11	1.80	6.80	14.. 19x18	4.65	17.20

If handles are required add 35c per tub.

First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

TRELLIS.—Wood.	Fan-shape.	Each	3 For
		\$0.60	\$1.50
18-inch..		.65	1.75
24-inch..		.90	2.50
30-inch..		1.35	3.60
36-inch..	21 in. wide, 1.45		
4 ft., 27 in. wide.....		2.00	
5 ft., 32 in. wide.....		2.40	
6 ft., 38 in. wide.....		2.75	
7 ft., 42 in. wide.....		3.25	

Veranda—18-inch wide, 5 feet, \$2.50; 6 feet, \$2.65; 7-feet, \$3.00, 8 feet, \$3.45; 9 feet, \$3.85; 10 feet, \$4.00.

TRAP. "Peerless" Automatic Mouse and Rat. Resets after each catch. Requires no attention. Let the "Peerless" take care of your rats and mice in a sanitary and humane manner.

Prices, mouse trap, \$3.00; rat trap, \$8.50. Guaranteed.

For details see page 115.

VASE.—Cemetery. — Earthen, green, 10-inch, sharp point, each, 50c, three for \$1.35, shipped by Parcel Post at purchaser's risk only.

Galvanized. For Cut Flowers. Unbreakable.

10 inches deep, 4 1/4 in. diam., each, 65c.

12 inches deep, 6 1/2 in. diam., each, 90c.

15 inches deep, 6 1/2 in. diam., each, \$1.10.

18 in. deep 7 1/2 in. diam. each, \$1.45.

Tin. Green painted.

Each, 20c; by mail, 30c;

Doz., \$2.25, postpaid.

Tin Painted.

Each, 20c; by mail, 30c;

Doz., \$2.25, postpaid.

French Style

Each, 20c; by mail, 30c;

Doz., \$2.25, postpaid.

Watering Pots

Each, 20c; by mail, 30c;

Doz., \$2.25, postpaid.

American. Heavy galvanized round can, two copper-faced roses, long spout; 4-quart,

\$4.75; 6-quart, \$5.20;

8-quart, \$5.90; 10-

quart, \$6.25; 12-quart,

\$6.60. Spout is cut off in illustration to reduce space.

French Style. Oval, otherwise same make as above,

6-quart, \$3.85; 8-quart, \$6.20; 10-quart, \$6.60;

12-quart, \$7.20.

Galvanized Watering Pots

Box Spout Style, with detachable Rose, which can

be quickly cleaned. 4 qt., 95c; 6 qt., \$1.10; 8 qt.,

\$1.20; 10 qt., \$1.35; 12 qt., \$1.50.

Dandelion Digger.

Each, 20c; by mail, 30c;

Doz., \$2.25, postpaid.

Eureka Weeder.

Each, 20c; by mail, 30c;

Doz., \$2.25, postpaid.

Lang's Weeder.

Each, 20c; by mail, 30c;

Doz., \$2.25, postpaid.

Excelsior Weeder.

Each, 20c; by mail, 30c;

Doz., \$2.25, postpaid.

DANDELION DIGGER. Each, 45c; postpaid, 55c.

Eureka. Best hand weeder for loosening soil around plants. Short handled, 55c; long handled, 65c.

(Mailing weight, 8 oz.)

Excelsior. Each, 15c. (Mailing wt., 4 oz.)

Lang's. We find this by actual trial a real labor saver. Each, 20c. (Mailing weight, 4 oz.)

Norcross Weeder. Each, 50c. Mailing 10c extra.

The Wonder Weeder. For

Dandelion, Plantain, etc., in

lawns. It gets the weeds, fast, clean

and deep. It absolutely will not break

up the sod. Just two simple move-

ments and your weed is out. No backache, soiled

hands or clothing. Each, 85c. If by mail, add 25c.

TROWELS—Vaughn's Steel.

One solid piece of steel and will

outwear all others.

Each, 95c. 3 for \$2.75. Postpaid, each, \$1.00.

Ordinary Garden. 6-inch, each, 15c; prepaid, 20c.

English Steel. 6-inch, each, 35c; prepaid, 40c.

Transplanting Trowel. Can be used either as a

transplanter, dibber or weed digger, blade being

deeply curved. 6-inch, 20c; postpaid, 25c.

WHEELBARROW—Red Star Garden. The best

in design, material and workmanship for the class o-

trade who desire the best. 2 1/2-inch tire whic

permits easy wheeling of heavy loads. Price, \$8.50h

h = height of wheelbarrow.

W = width of wheelbarrow.

L = length of wheelbarrow.

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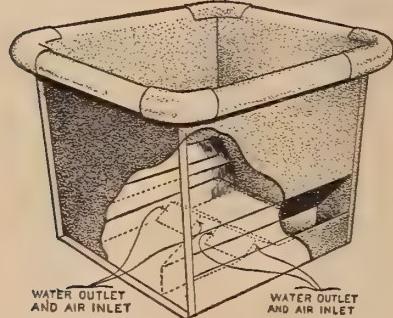
L = length of wheelbarrow.

H = height of wheelbarrow.

W = width of wheelbarrow.

Miscellaneous Horticultural Supplies

SUCCESS SELF-WATERING HANGING BASKETS



Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. A water pocket extends the full length of basket, from which tube leads into the basket itself. Finished in an attractive shade of green. "Never leak a drop" may be hung on chains or set on small table. Prices do not include chains.

No.	Depth	Square	Price
10..	7½-in.	10-in.	\$2.35
12..	8¼-in.	12-in.	2.75
14..	10¼-in.	14-in.	3.25

BASKETS—Wire, Hanging. Each, 6-in., 20c; 8-in., 25c; 10-in., 30c; 12-in., 35c. 14-in., 45c; 16-in., 65c.



BOXES—Cut Flower.— Vaughan's "Green" Grade green lined, moisture-proof board. Very popular. On orders for less than 100 boxes of a size add 10%.

Size	Weight	Per	Size	Weight	Per
inches	per 100	100	inches	per 100	100
3 x18x5	40 lb.	\$ 6.00	3½x30x5	75 lb.	\$ 9.00
3 x21x5	45 lb.	6.50	4 x24x8	85 lb.	10.50
3½x24x5	60 lb.	7.50	5 x28x8	105 lb.	12.50
3½x21x7	65 lb.	8.50	5 x36x8	135 lb.	17.00
6 x40x10	170 lb.	23.00			

The Little Wonder No-Drip Hanging Basket

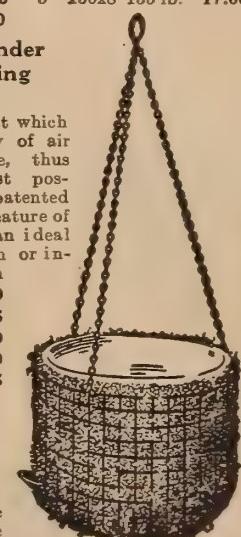
A self-watering basket which gives the plants plenty of air and perfect drainage, thus promoting the greatest possible growth. The patented irrigator and no-drip feature of this basket make it an ideal basket for either porch or inside use. Each

Price, 5-inch	.... \$1.00
6-inch	.... 1.25
7-inch	.... 1.50
9-inch	.... 2.00
14-inch	.... 2.85

"SUCCESS" PORCH BOXES (Model D)

Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green.

8-in. deep, 11-in. wide	8-in. deep, 12-in. wide.
No. Length Price	No. Length Price
23.....42-in....\$5.75	25.....60-in....\$7.75



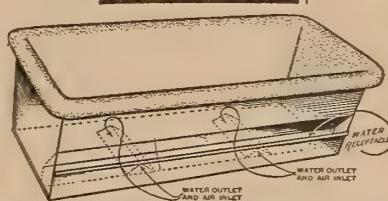
"SAVO" SELF-WATERING FLOWER BOXES



Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum or green.

	Height	Width	Length	Price
Model A,	8 inches	8 inches	23 inches	\$3.00
Model B,	8 inches	9½ inches	29 inches	4.00
Model C,	8 inches	9½ inches	35 inches	4.50
Model D,	8 inches	9½ inches	41 inches	5.00
Model E,	8 inches	12 inches	12 inches	3.00
Model F,	12 inches	12 inches	12 inches	3.50

"SUCCESS" SELF-WATERING FLOWER BOXES



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock-seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i.e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Outside dimensions of Window Boxes:

Length	Width	Depth	Price
24-in.	8½-in.	6¼-in.	\$1.95
30-in.	8½-in.	6¼-in.	2.40
36-in.	8½-in.	6¼-in.	3.25
42-in.	8½-in.	6¼-in.	4.00

We supply all plants for Window and Porch Boxes, Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, 40c; bushel, \$1.25; barrel, \$3.00.

Let us advise you in your selection of plants.

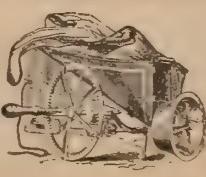
We can please you and save you money.



CAHOON SEEDER

It will seed evenly five to six acres per hour. It will scatter the following distances: Wheat, Barley, Rye, 25 feet; Clover and Timothy, 18 to 20 feet. The bag and hopper hold about 22 quarts. Weight, 5½ lbs. Price, \$4.50.

SEED SOWER. Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$2.00.



TOOLS FOR PRUNING

SAWS, DOUBLE
EDGE PRUN-



16-inch, \$1.75; 18-inch, \$1.95; 20-inch, \$2.10.



VAUGHAN'S PERFECTION PRUNING. Made of the best steel with adjustable blade, so any branch can be easily removed close to trunk of the tree. Can be used as a hand saw or fastened to any size pole. Each, \$2.50; 3 for \$7.00. Extra blades, 25c.



CALIFORNIA POLE TRIMMER. Curved, draw-cut saw with hook for removing branches. Each, \$2.50.



FORESTER PRUNING SAW. Makes heavy pruning easy and saves time. 26 inches long. Each, \$2.00.



PRUNING. 6-inch, nickel-plated, \$1.65; 9-inch, \$1.95. Extra springs, each, 15c.

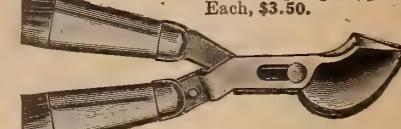


PRUNING. Best grade, with double brass springs. Each, \$2.10.

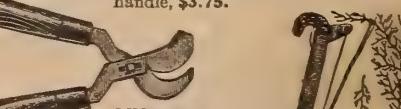
LEVIN'S PRUNING. One of the best pruning shea made. Each, 85c.

HENCKELS' TWIN BRAND IMPORTED PRUNING SHEARS are known the world over as the best. Have given satisfaction to users for years. With rachet, 7½-inch, each, \$2.75; 8½-inch, each, \$3.00; 9½-inch, each, \$3.50.

HENCKELS' IMPROVED CALIFORNIA Pattern, with brass springs, 8½-inch. Each, \$3.50.

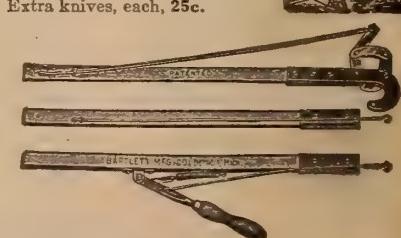


CLYDE DRAW-CUT PRUNER. Extra strong, long handle, \$3.75.



BUCKEYE PRUNING. Long handle. Each, \$2.00; large size, heavier, \$2.50.

TREE PRUNERS. Waters'. Length of pole, 6 ft., \$1.75; 8 ft., \$2.00; 10 ft., \$2.15; 12 ft., \$2.35. Extra knives, each, 25c.



No. 4, JOINTED Tree Pruner. The cutting head is made truss-shape from strong high grade rolled steel. The pole is made of 4-ft. lengths, making a tool convenient to carry on street car or automobile, and can be used as an 8-ft. or 12-ft. pruner. Price, complete, \$6.00.



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Explanation of Table Below. Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

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Pkg. Vaughan's Color Food, each 30c.....				
Bottle Vaughan's Bird Wash, each 30c.....				
Pkg. Special Bird Seed Mixture, 1-lb., each 35c.....				

AQUARIUM SHELLS	
Pkg. White Shells, each 20c.....	\$
Pkg. Colored Shells, each 30c.....	
Pkg. Pearl Chips, each 20c.....	
Pkg. Colored Chips, each 20c.....	
FISH FOOD	
Pkg. Natural Fish Food, each 15c.....	
Pkg. Shrimp Fish Food, each 20c.....	
Pkg. Wafer Fish Food, each 10c.....	
Total \$	

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, Etc., within the U. S. and Possessions.		First Pound or Fraction	Each Additional Pound or Fraction	Total Weight,	Amount for Postage,	\$
First Zone	Chicago or New York or 50 miles thereof.	7c	1c			
Second Zone	within 50 to 150 miles of either.....	7c	1c			
Third Zone	within 150 to 300 miles.....	8c	2c			
Fourth Zone	within 300 to 600 miles.....	9c	4c			
Fifth Zone	within 600 to 1000 miles.....	10c	6c			
Sixth Zone	within 1000 to 1400 miles.....	11c	8c			
Seventh Zone	within 1400 to 1800 miles.....	13c	10c			
Eighth Zone	all over 1800 miles.....	14c	12c			
					Grand Total,	\$

 In making your order, please give the prices to avoid delay and errors.

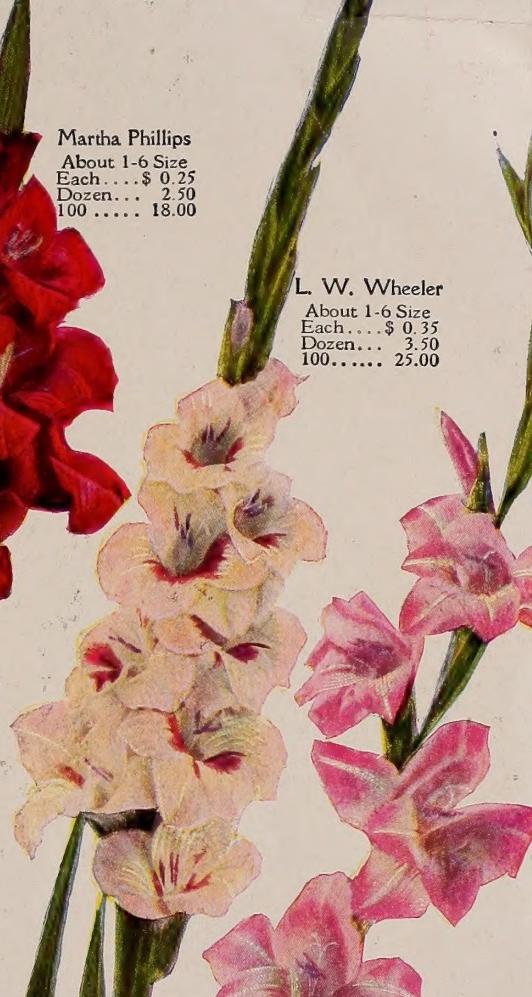
(OVER)



Sovereign
About 1-6 Size
Each....\$ 0.35
Dozen....3.50
100.....25.00



Martha Phillips
About 1-6 Size
Each....\$ 0.25
Dozen....2.50
100.....18.00



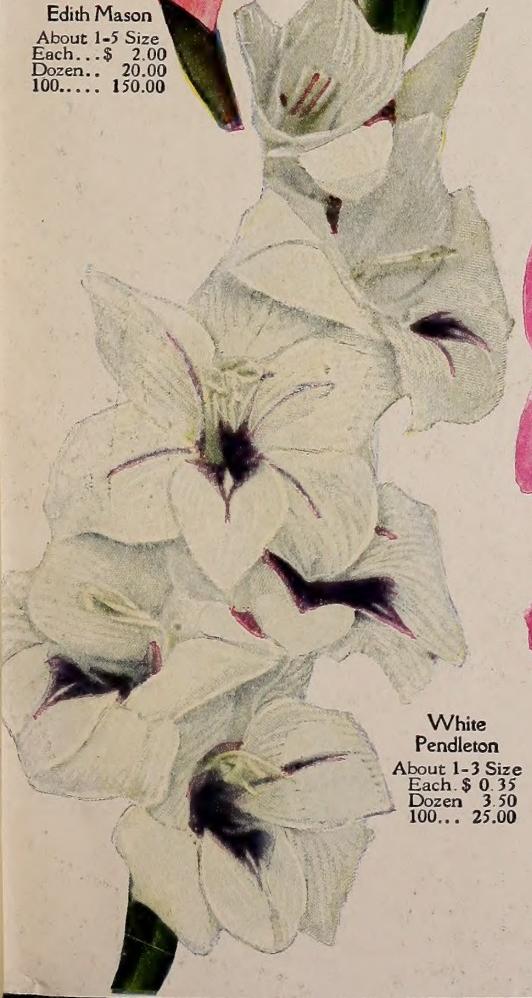
L. W. Wheeler
About 1-6 Size
Each....\$ 0.35
Dozen....3.50
100.....25.00



Mrs. Julius Rosenwald
About 1-6 Size
Each....\$ 0.75
Dozen....7.50
100.....50.00

Vaughan Varieties

Originated and Introduced by Vaughan's Seed Store
The varieties illustrated on this page do not vary in size as do the pictures. Each illustration is labeled to indicate the size of the original. As the supply of bulbs has grown larger, it will be noted, prices are much reduced.



Edith Mason
About 1-5 Size
Each....\$ 2.00
Dozen....20.00
100.....150.00



Mary H. Dick
About 1-6 Size
Each....\$ 0.25
Dozen....2.50
100.....18.00



White Pendleton
About 1-3 Size
Each....\$ 0.35
Dozen....3.50
100....25.00



Elsie McCormick
About 1-3 Size
Each....\$ 1.00
Dozen....10.00
100.....75.00



Improved Schwaben
About 1-3 Size
Each.....\$ 0.25
Dozen.....2.50
100.....18.00

